

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
(5701400 5734887 5412806 5590322 5710915 5787413 5787425 5799310 5806066 5895465 5448727).pn.	22

Database:

US Patents Full-Text Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L1

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**DATE: Monday, December 01, 2003 [Printable Copy](#) [Create Case](#)**Set Name Query**

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=OR

L1(5701400 5734887 5412806 5590322 5710915 5787413 5787425
5799310 5806066 5895465 5448727).pn.

22

L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 22 of 22 returned.☐ 1. Document ID: US 5895465 A

L1: Entry 1 of 22

File: USPT

Apr 20, 1999

US-PAT-NO: 5895465

DOCUMENT-IDENTIFIER: US 5895465 A

TITLE: Heuristic co-identification of objects across heterogeneous information sources

DATE-ISSUED: April 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guha; Ramanathan V.	Los Altos	CA		

US-CL-CURRENT: 707/4; 707/2, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 5806066 A

L1: Entry 2 of 22

File: USPT

Sep 8, 1998

US-PAT-NO: 5806066

DOCUMENT-IDENTIFIER: US 5806066 A

TITLE: Method of integrating schemas of distributed heterogeneous databases

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Golshani; Forouzan	Paradise Valley	AZ		
Friesen; Oris D.	Scottsdale	AZ		
Howell; Thomas H.	Scottsdale	AZ		

US-CL-CURRENT: 707/100; 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 5799310 A

L1: Entry 3 of 22

File: USPT

Aug 25, 1998

US-PAT-NO: 5799310

DOCUMENT-IDENTIFIER: US 5799310 A

**** See image for Certificate of Correction ****

TITLE: Relational database extenders for handling complex data types

DATE-ISSUED: August 25, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Matthew Paul	Morgan Hill	CA		
Donn; Siyi Terry	Saratoga	CA		
Fallside; David Couttie	San Jose	CA		
Ha; Tri Q.	San Jose	CA		
Hembry; Douglas Michael	Los Gatos	CA		
Ho; Jean C.	Saratoga	CA		
Jang; Jing-Song	Cupertino	CA		
Mattos; Nelson	San Jose	CA		
Niblack; Carlton Wayne	San Jose	CA		
Petkovic; Dragutin	Saratoga	CA		
Tung; Frank Chin	Saratoga	CA		
Uhrowczik; Peter Paval	Los Gatos	CA		
Vo; Mimi Phuong-Thao Thi	San Jose	CA		
Wilmot; Gerald Johann	Marina	CA		
Yanker; Peter C.	Mountain View	CA		
Cheng; Josephine Min-Kung	San Jose	CA		

US-CL-CURRENT: 707/102; 707/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Desc	Image
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☐ 4. Document ID: US 5787425 A

L1: Entry 4 of 22

File: USPT

Jul 28, 1998

US-PAT-NO: 5787425

DOCUMENT-IDENTIFIER: US 5787425 A

TITLE: Object-oriented data mining framework mechanism

DATE-ISSUED: July 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bigus; Joseph Phillip	Rochester	MN		

US-CL-CURRENT: 707/6; 706/27, 706/30, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 5. Document ID: US 5787413 A

L1: Entry 5 of 22

File: USPT

Jul 28, 1998

US-PAT-NO: 5787413

DOCUMENT-IDENTIFIER: US 5787413 A

TITLE: C++ classes for a digital library

DATE-ISSUED: July 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kauffman; Steven Victor	San Jose	CA		
Lewis; Lara Marie	Campbell	CA		
Willey; James Albert	San Jose	CA		

US-CL-CURRENT: 707/2; 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5734887 A

L1: Entry 6 of 22

File: USPT

Mar 31, 1998

US-PAT-NO: 5734887

DOCUMENT-IDENTIFIER: US 5734887 A

TITLE: Method and apparatus for logical data access to a physical relational database

DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kingberg; Denis G.	Raleigh	NC		
McCubbin; Ellen Margaret	Cary	NC		
Martin; William John	Apex	NC		

US-CL-CURRENT: 707/4; 707/100

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5710915 A

L1: Entry 7 of 22

File: USPT

Jan 20, 1998

US-PAT-NO: 5710915

DOCUMENT-IDENTIFIER: US 5710915 A

TITLE: Method for accelerating access to a database clustered partitioning

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McElhiney; James David	Ottawa			CA

US-CL-CURRENT: 707/3; 705/35, 707/205, 707/4, 707/5, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5701400 A

L1: Entry 8 of 22

File: USPT

Dec 23, 1997

US-PAT-NO: 5701400

DOCUMENT-IDENTIFIER: US 5701400 A

TITLE: Method and apparatus for applying if-then-else rules to data sets in a relational data base and generating from the results of application of said rules a database of diagnostics linked to said data sets to aid executive analysis of financial data

DATE-ISSUED: December 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Amado; Carlos Armando	Miami	FL	33131-2400	

US-CL-CURRENT: 706/45; 706/47, 706/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5590322 A

L1: Entry 9 of 22

File: USPT

Dec 31, 1996

US-PAT-NO: 5590322

DOCUMENT-IDENTIFIER: US 5590322 A

TITLE: Method and apparatus for the modeling and query of database structures using natural language-like constructs

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harding; James A.	Issaquah	WA		
McCormack; Jonathan I.	Renton	WA		

US-CL-CURRENT: 707/4; 707/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5448727 A

L1: Entry 10 of 22

File: USPT

Sep 5, 1995

US-PAT-NO: 5448727

DOCUMENT-IDENTIFIER: US 5448727 A

TITLE: Domain based partitioning and reclustering of relations in object-oriented relational database management systems

DATE-ISSUED: September 5, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Annevelink; Jurgen	Sunnyvale	CA		

US-CL-CURRENT: 707/101

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 5412806 A

L1: Entry 11 of 22

File: USPT

May 2, 1995

US-PAT-NO: 5412806

DOCUMENT-IDENTIFIER: US 5412806 A

TITLE: Calibration of logical cost formulae for queries in a heterogeneous DBMS using synthetic database

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Du; Weimin	San Jose	CA		
Krishnamurthy; Ravi	Cupertino	CA		
Shan; Ming-Chien	Saratoga	CA		

US-CL-CURRENT: 707/2; 707/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 5895465 A

L1: Entry 12 of 22

File: DWPI

Apr 20, 1999

DERWENT-ACC-NO: 1999-276580

DERWENT-WEEK: 200067

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TITLE: Computer implemented database query language request generation method - involves providing several expressions with predicate and mapping each literal to all matching expressions to provide list of fields using which SQL request is generated

INVENTOR: GUHA, R V

PRIORITY-DATA: 1997US-0925632 (September 9, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5895465 A	April 20, 1999		018	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 13. Document ID: US 5799310 A

L1: Entry 13 of 22

File: DWPI

Aug 25, 1998

DERWENT-ACC-NO: 1998-480748

DERWENT-WEEK: 200278

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TITLE: Computer readable storage medium for relational data base system - defines various kinds of tables for storing information relating to complex data type of object of corresponding object handle, in their respective columns

INVENTOR: ANDERSON, M P ; CHENG, J M ; DONN, S T ; FALLSIDE, D C ; HA, T Q ; HEMBRY, D M ; HO, J C ; JANG, J ; MATTOS, N ; NIBLACK, C W ; PETKOVIC, D ; TUNG, F C ; UHROWCZIK, P P ; VO, M P T ; WILMOT, G J ; YANKER, P C

PRIORITY-DATA: 1995US-0431513 (May 1, 1995), 1995US-0548301 (November 1, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5799310 A	August 25, 1998		024	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 14. Document ID: US 5787425 A

L1: Entry 14 of 22

File: DWPI

Jul 28, 1998

DERWENT-ACC-NO: 1998-436946

DERWENT-WEEK: 199837

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TITLE: Program product for object oriented technology - includes object oriented framework mechanism that reads data from data import object and writes underlying relationship into data export object

INVENTOR: BIGUS, J P

PRIORITY-DATA: 1996US-0723599 (October 1, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5787425 A	July 28, 1998		063	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 15. Document ID: US 5787413 A

L1: Entry 15 of 22

File: DWPI

Jul 28, 1998

DERWENT-ACC-NO: 1998-436936

DERWENT-WEEK: 199837

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TITLE: Customer software application program developing system using C++ language - executes application program to create set of application programming interfaces to produce executable objects which inturn are used for calling programming interfaces

INVENTOR: KAUFFMAN, S V; LEWIS, L M ; WILLEY, J A

PRIORITY-DATA: 1996US-0688120 (July 29, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5787413 A	July 28, 1998		012	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 16. Document ID: US 5734887 A

L1: Entry 16 of 22

File: DWPI

Mar 31, 1998

DERWENT-ACC-NO: 1998-230173

DERWENT-WEEK: 199820

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TITLE: CASE-based relational database access consistency system - includes logical to physical data mapping and join tables with queries formed using data mapping and join criteria tables

INVENTOR: KINGBERG, D G; MARTIN, W J ; MCCUBBIN, E M

PRIORITY-DATA: 1995US-0536737 (September 29, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5734887 A	March 31, 1998		050	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 17. Document ID: US 5710915 A

L1: Entry 17 of 22

File: DWPI

Jan 20, 1998

DERWENT-ACC-NO: 1998-110097

DERWENT-WEEK: 199810

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TITLE: Method of storing and accessing record in database table - involves defining search table within database by building key field for each record in input data table and combining record identifier, key field and fields selected for each record in input data table

INVENTOR: MCELHINEY, J D

PRIORITY-DATA: 1995US-0576102 (December 21, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5710915 A	January 20, 1998		015	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 18. Document ID: WO 9738388 A2 EP 1012740 A2 WO 9738388 A3 US 5806066 A

L1: Entry 18 of 22

File: DWPI

Oct 16, 1997

DERWENT-ACC-NO: 1997-512941

DERWENT-WEEK: 200035

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TITLE: Schema integration method for distributed heterogeneous databases - involves defining equivalence of objects of normalised schemas which are integrated to produce global object oriented schema which are then converted into relational form

INVENTOR: FRIESEN, O D; GOLSHANI, F ; HOWELL, T H

PRIORITY-DATA: 1996US-0624726 (March 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9738388 A2	October 16, 1997	E	052	G06K000/00
EP 1012740 A2	June 28, 2000	E	000	G06F017/00
WO 9738388 A3	November 20, 1997		000	G06K000/00
US 5806066 A	September 8, 1998		000	G06F017/00

INT-CL (IPC): G06 F 17/00; G06 F 17/30; G06 K 0/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 19. Document ID: WO 9627837 A1 US 5701400 A AU 9644688 A

L1: Entry 19 of 22

File: DWPI

Sep 12, 1996

DERWENT-ACC-NO: 1996-425564

DERWENT-WEEK: 199806

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TITLE: Data array analysis appts for data stored in quantitative database - develops and maintains set of bi-directional links between selected data items in first database and corresp diagnostics in second database

INVENTOR: AMADO, A; AMADO, C A

PRIORITY-DATA: 1995US-0400355 (March 8, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9627837 A1	September 12, 1996	E	064	G06F017/00
US 5701400 A	December 23, 1997		113	G06F015/18
AU 9644688 A	September 23, 1996		000	G06F017/00

INT-CL (IPC): G06 F 15/18; G06 F 17/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC	Draw Desc	Clip Img	Image
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☐ 20. Document ID: US 5448727 A

L1: Entry 20 of 22

File: DWPI

Sep 5, 1995

DERWENT-ACC-NO: 1995-320237

DERWENT-WEEK: 199541

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TITLE: Relation partitioning and reclustering appts. for OORDMS - uses database interface and control block providing programmatic interface between database, server and other components

INVENTOR: ANNEVELINK, J

PRIORITY-DATA: 1991US-0693826 (April 30, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5448727 A	September 5, 1995		016	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC	Draw Desc	Clip Img	Image
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☐ 21. Document ID: WO 9506292 A1 DE 69429866 E AU 9476753 A US 5495604 A EP 715739 A1 US 5574908 A US 5590322 A US 5592668 A JP 09502039 W EP 715739 B1

L1: Entry 21 of 22

File: DWPI

Mar 2, 1995

DERWENT-ACC-NO: 1995-106977

DERWENT-WEEK: 200227

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TITLE: Modelling and query appts. for database structures using natural language - has graphical user interface for specifying data base design and diagram device for producing diagram on display device

INVENTOR: HARDING, J A; MCCORMACK, J I

PRIORITY-DATA: 1993US-0112852 (August 25, 1993), 1995US-0485210 (June 6, 1995), 1995US-0482726 (June 6, 1995), 1995US-0488384 (June 6, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9506292 A1	March 2, 1995	E	087	G06F017/30
DE 69429866 E	March 21, 2002		000	G06F017/30
AU 9476753 A	March 21, 1995		000	G06F017/30
US 5495604 A	February 27, 1996		036	G06F017/30
EP 715739 A1	June 12, 1996	E	087	G06F017/30
US 5574908 A	November 12, 1996		037	G06F017/30
US 5590322 A	December 31, 1996		036	G06F017/00
US 5592668 A	January 7, 1997		035	G06F017/30
JP 09502039 W	February 25, 1997		065	G06F017/30
EP 715739 B1	February 13, 2002	E	000	G06F017/30

INT-CL (IPC): G06 F 12/00; G06 F 17/00; G06 F 17/30; G06 F 17/40

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 22. Document ID: GB 2269921 A DE 4323947 C2 DE 4323947 A1 US 5412806 A GB 2269921 B

L1: Entry 22 of 22

File: DWPI

Feb 23, 1994

DERWENT-ACC-NO: 1994-044860

DERWENT-WEEK: 199808

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TITLE: Information retrieval in distributed database management system - manages data access among multiple relational databases in distributed network environment

INVENTOR: DU, W; KRISHNAMURTHY, R ; SHAN, M ; SHAN, M-C

PRIORITY-DATA: 1992US-0932426 (August 20, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
GB 2269921 A	February 23, 1994		071	G06F015/40
DE 4323947 C2	January 29, 1998		037	G06F017/30
DE 4323947 A1	February 24, 1994		038	G06F015/403
US 5412806 A	May 2, 1995		033	G06F015/16
GB 2269921 B	January 3, 1996		000	G06F017/30

INT-CL (IPC): G06F 15/16; G06F 15/40; G06F 15/403; G06F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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(5701400 5734887 5412806 5590322 5710915 5787413 5787425 5799310 5806066 5895465 5448727).pn.	22

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[Previous Page](#)

[Next Page](#)

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Terms	Documents
L8 and data adj mining	1

Database:

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Search:

L10

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DATE: Monday, December 01, 2003 [Printable Copy](#) [Create Case](#)
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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=OR

<u>L10</u>	L8 and data adj mining	1	<u>L10</u>
<u>L9</u>	L8 and parallel and data adj mining	0	<u>L9</u>
<u>L8</u>	L3 and paramet\$8	31	<u>L8</u>
<u>L7</u>	L6 and parallel and data adj mining	17	<u>L7</u>
<u>L6</u>	L5 and paramet\$8	315	<u>L6</u>
<u>L5</u>	L4 and relational	633	<u>L5</u>
<u>L4</u>	((707/4)!.CCLS.)	1373	<u>L4</u>
<u>L3</u>	L2 and relational	64	<u>L3</u>
<u>L2</u>	((706/50)!.CCLS.)	214	<u>L2</u>
<u>L1</u>	(5701400 5734887 5412806 5590322 5710915 5787413 5787425 5799310 5806066 5895465 5448727).pn.	22	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 1 of 1 returned.☐ 1. Document ID: US 6154783 A

L10: Entry 1 of 1

File: USPT

Nov 28, 2000

US-PAT-NO: 6154783

DOCUMENT-IDENTIFIER: US 6154783 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for addressing an electronic document for transmission over a network

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilmour; David L.	Los Altos Hills	CA		
Wang; Hua-Wen	Milpitas	CA		

US-CL-CURRENT: 709/245; 706/50, 707/6

Full	Title	CLS.1	REF.1	SEQ.1	ATT.1

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Print

Terms**Documents**

L8 and data adj mining

1

Display Format:

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Change Format

[Previous Page](#)[Next Page](#)

WEST

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Print

Search Results - Record(s) 1 through 31 of 31 returned.☐ 1. Document ID: US 20030217128 A1

L8: Entry 1 of 31

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030217128

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217128 A1

TITLE: QOS framework system

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yanosy, John Anthony	Grapevine	TX	US	

US-CL-CURRENT: 709/223; 706/50, 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20020184178 A1

L8: Entry 2 of 31

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tasooji, Amaneh	Tempe	AZ	US	
Haigh, Karen Z.	Greenfield	MN	US	
Reising, Dal Vernon C.	Coon Rapids	MN	US	

US-CL-CURRENT: 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6615199 B1

L8: Entry 3 of 31

File: USPT

Sep 2, 2003

US-PAT-NO: 6615199

DOCUMENT-IDENTIFIER: US 6615199 B1

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6421667 B1

L8: Entry 4 of 31

File: USPT

Jul 16, 2002

US-PAT-NO: 6421667

DOCUMENT-IDENTIFIER: US 6421667 B1

**** See image for Certificate of Correction ****

TITLE: Delta model processing logic representation and execution system

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Codd; Edgar F.	Adventura	FL		
Codd; Sharon B.	Adventura	FL		

US-CL-CURRENT: 707/4; 706/45, 706/47, 706/50, 706/56, 707/102, 707/5, 707/6,
709/100, 709/106, 709/318, 717/114

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6349325 B1

L8: Entry 5 of 31

File: USPT

Feb 19, 2002

US-PAT-NO: 6349325

DOCUMENT-IDENTIFIER: US 6349325 B1

TITLE: Prioritized agent-based hierarchy structure for handling performance metrics data in a telecommunication management system

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Newcombe; Adrian	Dublin			IE
Seraj; Jila	Dublin			IE

US-CL-CURRENT: 709/202; 706/10, 706/11, 706/50, 709/223, 709/317, 709/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6314555 B1

L8: Entry 6 of 31

File: USPT

Nov 6, 2001

US-PAT-NO: 6314555

DOCUMENT-IDENTIFIER: US 6314555 B1

TITLE: Software system generation

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ndumu; Divine T	Suffolk			GB
Nwana; Hyacinth S	Suffolk			GB
Lee; Lyndon C	Colchester			GB

US-CL-CURRENT: 717/101; 706/49, 706/50, 706/59, 706/922, 709/202, 709/316, 709/317,
717/104, 717/110

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6253195 B1

L8: Entry 7 of 31

File: USPT

Jun 26, 2001

US-PAT-NO: 6253195

DOCUMENT-IDENTIFIER: US 6253195 B1

**** See image for Certificate of Correction ****

TITLE: Optimized query tree

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hudis; Irena	Bellevue	WA		
McCollum; Raymond	Monroe	WA		
Novik; Lev	Bellevue	WA		

US-CL-CURRENT: 707/2; 345/804, 345/853, 706/45, 706/50, 707/101, 707/3, 707/5,
709/219, 709/321, 710/104, 711/110, 715/501.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6188999 B1

L8: Entry 8 of 31

File: USPT

Feb 13, 2001

US-PAT-NO: 6188999

DOCUMENT-IDENTIFIER: US 6188999 B1

TITLE: Method and system for dynamically synthesizing a computer program by differentially resolving atoms based on user context data

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moody; Scott F.	Seattle	WA		

US-CL-CURRENT: 706/11; 345/968, 706/47, 706/50, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6154783 A

L8: Entry 9 of 31

File: USPT

Nov 28, 2000

US-PAT-NO: 6154783

DOCUMENT-IDENTIFIER: US 6154783 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for addressing an electronic document for transmission over a network

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilmour; David L.	Los Altos Hills	CA		
Wang; Hua-Wen	Milpitas	CA		

US-CL-CURRENT: 709/245; 706/50, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5963447 A

L8: Entry 10 of 31

File: USPT

Oct 5, 1999

US-PAT-NO: 5963447

DOCUMENT-IDENTIFIER: US 5963447 A

TITLE: Multiple-agent hybrid control architecture for intelligent real-time control of distributed nonlinear processes

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kohn; Wolf	Bellevue	WA		
Nerode; Anil	Ithaca	NY		

US-CL-CURRENT: 700/49; 700/181, 700/2, 700/83, 706/10, 706/46, 706/50, 706/59,

706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 5826250 A

L8: Entry 11 of 31

File: USPT

Oct 20, 1998

US-PAT-NO: 5826250

DOCUMENT-IDENTIFIER: US 5826250 A

TITLE: Rules bases and methods of access thereof

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trefler; Alan	Chestnut Hill	MA		

US-CL-CURRENT: 706/50; 707/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 5822743 A

L8: Entry 12 of 31

File: USPT

Oct 13, 1998

US-PAT-NO: 5822743

DOCUMENT-IDENTIFIER: US 5822743 A

TITLE: Knowledge-based information retrieval system

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Kalyan Moy	Hamilton			CA
Langley; Alan Mark	Mississauga			CA
Ching; John Yen	Oakville			CA

US-CL-CURRENT: 706/50; 706/46, 706/54, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 5778154 A

L8: Entry 13 of 31

File: USPT

Jul 7, 1998

US-PAT-NO: 5778154

DOCUMENT-IDENTIFIER: US 5778154 A

TITLE: Advisor system and method for determining reservoir properties

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bone; Russell L.	Plano	TX		
Gobran; Meri Lynn	Plano	TX		
Kuo; Tsai-Bao	Plano	TX		

US-CL-CURRENT: 706/47; 706/45, 706/50, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 5764974 A

L8: Entry 14 of 31

File: USPT

Jun 9, 1998

US-PAT-NO: 5764974

DOCUMENT-IDENTIFIER: US 5764974 A

TITLE: System with user specified pattern definitions for matching input messages and associated decisions for conditionally responding to the input messages

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walster; James Earl	Roseville	MN		
Wiggins; Mark Anthony	St. Paul	MN		

US-CL-CURRENT: 707/6; 706/20, 706/50, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5742813 A

L8: Entry 15 of 31

File: USPT

Apr 21, 1998

US-PAT-NO: 5742813

DOCUMENT-IDENTIFIER: US 5742813 A

TITLE: Method and apparatus for concurrency in an object oriented database using lock inheritance based on class objects

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kavanagh; Thomas S.	Boulder	CO		
Beall; Christopher W.	Boulder	CO		
Heiny; William C.	Arvada	CO		
Motycka; John D.	Evergreen	CO		
Pendleton; Samuel S.	Louisville	CO		
Terpening; Brooke E.	Golden	CO		
Traut; Kenneth A.	Boulder	CO		

US-CL-CURRENT: 707/8; 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5630127 A

L8: Entry 16 of 31

File: USPT

May 13, 1997

US-PAT-NO: 5630127

DOCUMENT-IDENTIFIER: US 5630127 A

TITLE: Program storage device and computer program product for managing an event driven management information system with rule-based application structure stored in a relational database

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; Allan R.	Herndon	VA		
Poulos; Lori J.	McLean	VA		
DeFazio; Lynn G.	Manassas	VA		

US-CL-CURRENT: 707/103R; 705/1, 705/10, 706/50, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 5615309 A

L8: Entry 17 of 31

File: USPT

Mar 25, 1997

US-PAT-NO: 5615309

DOCUMENT-IDENTIFIER: US 5615309 A

TITLE: Inferencing production control computer system

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bezek; John D.	Owego	NY		
Kogge; Peter M.	Endicott	NY		

US-CL-CURRENT: 706/50; 706/48, 711/108

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 5615112 A

L8: Entry 18 of 31

File: USPT

Mar 25, 1997

US-PAT-NO: 5615112

DOCUMENT-IDENTIFIER: US 5615112 A

TITLE: Synthesized object-oriented entity-relationship (SOOER) model for coupled knowledge-base/database of image retrieval expert system (IRES)

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Liu Sheng; Olivia R.	Tucson	AZ		
Wei; Chih-Ping	Tucson	AZ		
Ozeki; Takeshi	Foster City	AZ		

US-CL-CURRENT: 707/104.1; 706/11, 706/45, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 19. Document ID: US 5594837 A

L8: Entry 19 of 31

File: USPT

Jan 14, 1997

US-PAT-NO: 5594837

DOCUMENT-IDENTIFIER: US 5594837 A

TITLE: Method for representation of knowledge in a computer as a network database system

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noyes; Dallas B.	Richland	WA	99352	

US-CL-CURRENT: 706/55; 706/11, 706/50, 707/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 20. Document ID: US 5517642 A

L8: Entry 20 of 31

File: USPT

May 14, 1996

US-PAT-NO: 5517642

DOCUMENT-IDENTIFIER: US 5517642 A

TITLE: Inferencing production control computer system

DATE-ISSUED: May 14, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bezek; John D.	Owego	NY		
Kogge; Peter M.	Endicott	NY		

US-CL-CURRENT: 707/3; 706/47, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 21. Document ID: US 5475838 A

L8: Entry 21 of 31

File: USPT

Dec 12, 1995

US-PAT-NO: 5475838

DOCUMENT-IDENTIFIER: US 5475838 A

**** See image for Certificate of Correction ****

TITLE: Extensible entity management system including rule-based alarms

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fehskens; Leonard G.	Westboro	MA		
Strutt; Colin	Westford	MA		
Wong; Steven K.	Chelmsford	MA		
Callander; Jill F.	Hudson	MA		
Burgess; Peter H.	Salisbury	MA		
Nelson; Kathy J.	Nashua	NH		
Guertin; Matthew J.	Westford	MA		
Plouffe; Gerard R.	Nashua	NH		
Sylor; Mark W.	Nashua	NH		
Chapman; Kenneth W.	Nashua	NH		
Schuchard; Robert C.	Ashburnham	MA		
Goldfarb; Stanley I.	Hudson	MA		
Navkal; Anil V.	Maynard	MA		
Rogers; Dennis O.	Leominster	MA		
O'Brien; Linsey B.	Wellesley	MA		
Trasatti; Philip J.	Brookline	NH		
Chan-Lizardo; Christine C.	Chelmsford	MA		
England; Benjamin M.	Haverhill	MA		
Lemmon, Jr.; James L.	Leominster	MA		
Rosenbaum; Richard L.	Pepperell	MA		
Kohls; Ruth E. J.	Acton	MA		
Aronson; David L.	Boston	MA		
Moore; Allan B.	Acton	MA		
Ross; Robert R. N.	Mansfield	MA		
Smith; Danny L.	Haverhill	MA		
Adams, Jr.; William C.	Topsfield	MA		
Sankar; Arundahati G.	Andover	MA		
Koning; G. Paul	Brookline	NH		
Namoglu; Sheryl F.	Mount Vernon	NH		
Seger; Mark J.	Harvard	MA		
Dixon; Timothy M.	Woodcote Reading			GB
Harrow; Jeffrey R.	Amherst	NH		

US-CL-CURRENT: 714/57; 706/50, 707/200, 709/223

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 22. Document ID: US 5446885 A

L8: Entry 22 of 31

File: USPT

Aug 29, 1995

US-PAT-NO: 5446885

DOCUMENT-IDENTIFIER: US 5446885 A

TITLE: Event driven management information system with rule-based applications
structure stored in a relational database

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; Allan R.	Herndon	VA		
Poulos; Lori J.	McLean	VA		
DeFazio; Lynn G.	Manassas	VA		

US-CL-CURRENT: 707/103R; 706/45, 706/50, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 23. Document ID: US 5379366 A

L8: Entry 23 of 31

File: USPT

Jan 3, 1995

US-PAT-NO: 5379366

DOCUMENT-IDENTIFIER: US 5379366 A

TITLE: Method for representation of knowledge in a computer as a network database
system

DATE-ISSUED: January 3, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noyes; Dallas B.	Richland	WA	99352	

US-CL-CURRENT: 706/55; 706/11, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5257185 A

L8: Entry 24 of 31

File: USPT

Oct 26, 1993

US-PAT-NO: 5257185

DOCUMENT-IDENTIFIER: US 5257185 A

TITLE: Interactive, cross-referenced knowledge system

DATE-ISSUED: October 26, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Farley; Ann W.	West Hartford	CT	06107	
Waggoner; Clifford I.	East Granby	CT		
Dutton; James W.	West Hartford	CT		
Allabaugh; David C.	East Granby	CT		

US-CL-CURRENT: 707/100; 706/50, 706/59, 715/533

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 25. Document ID: US 5249262 A

L8: Entry 25 of 31

File: USPT

Sep 28, 1993

US-PAT-NO: 5249262

DOCUMENT-IDENTIFIER: US 5249262 A

TITLE: Component intersection data base filter

DATE-ISSUED: September 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baule; Gerhard M.	Camillus	NY		

US-CL-CURRENT: 706/56; 706/50, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 26. Document ID: US 5228116 A

L8: Entry 26 of 31

File: USPT

Jul 13, 1993

US-PAT-NO: 5228116

DOCUMENT-IDENTIFIER: US 5228116 A

**** See image for Certificate of Correction ****

TITLE: Knowledge base management system

DATE-ISSUED: July 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harris; Larry R.	Concord	MA		
Hill; Jeffrey M.	Watertown	MA		
Marcott; Dayton	Watertown	MA		
Rochford; Timothy F.	East Greenwich	RI		

US-CL-CURRENT: 706/50; 706/47, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 27. Document ID: US 5226111 A

L8: Entry 27 of 31

File: USPT

Jul 6, 1993

US-PAT-NO: 5226111

DOCUMENT-IDENTIFIER: US 5226111 A

TITLE: Organization of theory based systems

DATE-ISSUED: July 6, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Black; Damian S.	Bristol			GB2
Manley; John C.	Bristol			GB2

US-CL-CURRENT: 706/50; 706/46, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 28. Document ID: US 4970658 A

L8: Entry 28 of 31

File: USPT

Nov 13, 1990

US-PAT-NO: 4970658

DOCUMENT-IDENTIFIER: US 4970658 A

TITLE: Knowledge engineering tool

DATE-ISSUED: November 13, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Durbin; Gary L.	Oakland	CA		
Somerville; David H.	Albany	CA		

US-CL-CURRENT: 706/60; 706/10, 706/48, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 29. Document ID: US 4901229 A

L8: Entry 29 of 31

File: USPT

Feb 13, 1990

US-PAT-NO: 4901229

DOCUMENT-IDENTIFIER: US 4901229 A

TITLE: Parallelized rules processing system using associative memory for pipelined execution of plural join operations and concurrent condition comparing

DATE-ISSUED: February 13, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Tashiro; Tsutomu	Edinburgh				GB
Komoda; Norihisa	Nijigaoka, Asao-ku, Kawasaki-shi, Kanagawa				JP
Tsushima; Isao	Nishi-tsuruma, Yamato-shi, Kanagawa				JP
Matsumoto; Kuniaki	Ooshima, Koto-ku, Tokyo				JP
Kawashima; Kazuhiro	Kohoku-ku, Yokohama-shi, Kanagawa				JP
Maekawa; Riyoji	Nagasawa, Tama-ku, Kawasaki-shi, Kanagawa				JP

US-CL-CURRENT: 706/10; 706/48, 706/50, 706/906

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 30. Document ID: US 4884218 A

L8: Entry 30 of 31

File: USPT

Nov 28, 1989

US-PAT-NO: 4884218

DOCUMENT-IDENTIFIER: US 4884218 A

**** See image for Certificate of Correction ****

TITLE: Knowledge system with improved request processing

DATE-ISSUED: November 28, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Agnew; Palmer W.	Owego	NY			
Clayton; Neil H.	Apalachin	NY			
Judkovics; Monroe	Endwell	NY			
Rivero; Jose L.	Boca Raton	FL			
Sun; Kuo-chang	Endicott	NY			

US-CL-CURRENT: 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 31. Document ID: US 4837735 A

L8: Entry 31 of 31

File: USPT

Jun 6, 1989

US-PAT-NO: 4837735

DOCUMENT-IDENTIFIER: US 4837735 A

TITLE: Parallel machine architecture for production rule systems

DATE-ISSUED: June 6, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Allen, Jr.; John D.	Knoxville	TN			
Butler; Philip L.	Knoxville	TN			

US-CL-CURRENT: 706/10; 700/4, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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L7: Entry 1 of 17

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020078039

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020078039 A1

TITLE: Architecture for distributed relational data mining systems

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Cereghini, Paul Marcelo	Escondido	CA	US	
Cunningham, Scott Woodroofe	Mountain View	CA	US	

US-CL-CURRENT: 707/4[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 2. Document ID: US 6571243 B2

L7: Entry 2 of 17

File: USPT

May 27, 2003

US-PAT-NO: 6571243

DOCUMENT-IDENTIFIER: US 6571243 B2

TITLE: Method and apparatus for creating extractors, field information objects and inheritance hierarchies in a framework for retrieving semistructured information

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Ashish	Seattle	WA		
Norvig; Peter	Palo Alto	CA		
Rajaraman; Anand	Seattle	WA		

US-CL-CURRENT: 707/6; 707/1, 707/100, 707/2, 707/3, 707/4, 707/5[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 3. Document ID: US 6553366 B1

L7: Entry 3 of 17

File: USPT

Apr 22, 2003

US-PAT-NO: 6553366

DOCUMENT-IDENTIFIER: US 6553366 B1

TITLE: Analytic logical data model

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miller; Timothy Edward	Temecula	CA		
Tate; Brian Don	Escondido	CA		
Rollins; Anthony Lowell	San Diego	CA		

US-CL-CURRENT: 707/2; 707/100, 707/101, 707/104.1, 707/3, 707/4, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6532458 B1

L7: Entry 4 of 17

File: USPT

Mar 11, 2003

US-PAT-NO: 6532458

DOCUMENT-IDENTIFIER: US 6532458 B1

TITLE: Sampling for database systems

DATE-ISSUED: March 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chaudhuri; Surajit	Redmond	WA		
Motwani; Rajeev	Palo Alto	CA		
Narasayya; Vivek	Redmond	WA		

US-CL-CURRENT: 707/2; 707/10, 707/4, 707/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6477536 B1

L7: Entry 5 of 17

File: USPT

Nov 5, 2002

US-PAT-NO: 6477536

DOCUMENT-IDENTIFIER: US 6477536 B1

**** See image for Certificate of Correction ****

TITLE: Virtual cubes

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pasumansky; Mosha	Bellevue	WA		
Berger; Alexander	Redmond	WA		
Netz; Amir	Bellevue	WA		

US-CL-CURRENT: 707/102; 707/101, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6438537 B1

L7: Entry 6 of 17

File: USPT

Aug 20, 2002

US-PAT-NO: 6438537

DOCUMENT-IDENTIFIER: US 6438537 B1

TITLE: Usage based aggregation optimization

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Netz; Amir	Bellevue	WA		
Pasumansky; Mosha	Bellevue	WA		

US-CL-CURRENT: 707/3; 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6421665 B1

L7: Entry 7 of 17

File: USPT

Jul 16, 2002

US-PAT-NO: 6421665

DOCUMENT-IDENTIFIER: US 6421665 B1

TITLE: SQL-based data reduction techniques for delivering data to analytic tools

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brye; Todd Michael	San Diego	CA		
Tate; Brian Don	Escondido	CA		
Rollins; Anthony Lowell	San Diego	CA		

US-CL-CURRENT: 707/3; 707/100, 707/102, 707/2, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6405195 B1

L7: Entry 8 of 17

File: USPT

Jun 11, 2002

US-PAT-NO: 6405195

DOCUMENT-IDENTIFIER: US 6405195 B1

TITLE: System and method for collaborative hosted analysis of data bases via a network portal

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ahlberg; Christopher	Boston	MA		

US-CL-CURRENT: 707/4; 345/700, 707/102, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6389436 B1

L7: Entry 9 of 17

File: USPT

May 14, 2002

US-PAT-NO: 6389436

DOCUMENT-IDENTIFIER: US 6389436 B1

TITLE: Enhanced hypertext categorization using hyperlinks

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chakrabarti; Soumen	San Jose	CA		
Dom; Byron Edward	Los Gatos	CA		
Indyk; Piotr	Stanford	CA		

US-CL-CURRENT: 715/513; 707/3, 707/4, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6389416 B1

L7: Entry 10 of 17

File: USPT

May 14, 2002

US-PAT-NO: 6389416

DOCUMENT-IDENTIFIER: US 6389416 B1

TITLE: Depth first method for generating itemsets

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agarwal; Ramesh C.	Yorktown Heights	NY		
Aggarwal; Charu C.	Yorktown Heights	NY		
Prasad; V. V. V.	Hyderabad			IN

US-CL-CURRENT: 707/6; 706/18, 706/48, 707/3, 707/4, 707/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6308168 B1

L7: Entry 11 of 17

File: USPT

Oct 23, 2001

US-PAT-NO: 6308168

DOCUMENT-IDENTIFIER: US 6308168 B1

TITLE: Metadata-driven data presentation module for database system

DATE-ISSUED: October 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dovich; Ronald J.	Austin	TX		
Epele; Peter J.	Cincinnati	OH		

US-CL-CURRENT: 707/1; 345/804, 345/817, 707/2, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6067542 A

L7: Entry 12 of 17

File: USPT

May 23, 2000

US-PAT-NO: 6067542

DOCUMENT-IDENTIFIER: US 6067542 A

TITLE: Pragma facility and SQL3 extension for optimal parallel UDF execution

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Carino, Jr.; Felipe	Arcadia	CA		

US-CL-CURRENT: 707/4; 707/102, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6044366 A

L7: Entry 13 of 17

File: USPT

Mar 28, 2000

US-PAT-NO: 6044366

DOCUMENT-IDENTIFIER: US 6044366 A

TITLE: Use of the UNPIVOT relational operator in the efficient gathering of sufficient statistics for data mining

DATE-ISSUED: March 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Graffe; Goetz	Bellevue	WA		
Fayyad; Usama	Mercede Island	WA		
Chaudhuri; Surajit	Redmond	WA		

US-CL-CURRENT: 707/2; 707/102, 707/3, 707/4, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6012064 A

L7: Entry 14 of 17

File: USPT

Jan 4, 2000

US-PAT-NO: 6012064

DOCUMENT-IDENTIFIER: US 6012064 A

TITLE: Maintaining a random sample of a relation in a database in the presence of updates to the relation

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gibbons; Phillip B.	Westfield	NJ		
Matias; Yossi	Tel Aviv			IL
Poosala; Viswanath	Highland Park	NJ		

US-CL-CURRENT: 707/103R; 707/101, 707/102, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 6009432 A

L7: Entry 15 of 17

File: USPT

Dec 28, 1999

US-PAT-NO: 6009432

DOCUMENT-IDENTIFIER: US 6009432 A

**** See image for Certificate of Correction ****

TITLE: Value-instance-connectivity computer-implemented database

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarin; Stephen A.	New York	NY		

US-CL-CURRENT: 707/10; 707/100, 707/102, 707/2, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5966704 A

L7: Entry 16 of 17

File: USPT

Oct 12, 1999

US-PAT-NO: 5966704

DOCUMENT-IDENTIFIER: US 5966704 A

TITLE: Storage plane organization and storage systems based thereon using queries and subqueries for data searching

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Furegati; Rene Anton	Zurich			CH
Schneider; Heinrich	Zurich			CH
Streckeisen; Heinrich Adolf Anandan	Wettswil			CH

US-CL-CURRENT: 707/3; 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 5963949 A

L7: Entry 17 of 17

File: USPT

Oct 5, 1999

US-PAT-NO: 5963949

DOCUMENT-IDENTIFIER: US 5963949 A

TITLE: Method for data gathering around forms and search barriers

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Ashish	Menlo Park	CA		
Norvig; Peter	Palo Alto	CA		
Rajaraman; Anand	Mountain View	CA		

US-CL-CURRENT: 707/100; 707/102, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Terms	Documents
L6 and parallel and data adj mining	17

Display Format:

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WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L2 and relational	64

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L3 and

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Monday, December 01, 2003 [Printable Copy](#) [Create Case](#)**Set Name Query**
side by side**Hit Count Set Name**
result set*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=OR*L3 L2 and relational64 L3L2 ((706/50)!.CCLS.)214 L2L1 (5701400 5734887 5412806 5590322 5710915 5787413 5787425
5799310 5806066 5895465 5448727).pn.22 L1

END OF SEARCH HISTORY

WEST

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Search Results - Record(s) 1 through 50 of 64 returned.☐ 1. Document ID: US 20030217128 A1

L3: Entry 1 of 64

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030217128

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217128 A1

TITLE: QOS framework system

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yanosy, John Anthony	Grapevine	TX	US	

US-CL-CURRENT: 709/223; 706/50, 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20030004954 A1

L3: Entry 2 of 64

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004954

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004954 A1

TITLE: Conflict assessment system tool

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Clark, Mark A.	Washington	DC	US	
Baker, Pauline H.	Washington	DC	US	
Russell, Anne V.	Washington	DC	US	

US-CL-CURRENT: 707/100; 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20020184178 A1

L3: Entry 3 of 64

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020184178

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020184178 A1

TITLE: Adaptive knowledge management system for vehicle trend monitoring, health management and preventive maintenance

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tasooji, Amaneh	Tempe	AZ	US	
Haigh, Karen Z.	Greenfield	MN	US	
Reising, Dal Vernon C.	Coon Rapids	MN	US	

US-CL-CURRENT: 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20020004792 A1

L3: Entry 4 of 64

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004792
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020004792 A1

TITLE: Method and system for automated inference creation of physico-chemical interaction knowledge from databases of co-occurrence data

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Busa, William B.	Renfrew	PA	US	

US-CL-CURRENT: 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6622136 B2

L3: Entry 5 of 64

File: USPT

Sep 16, 2003

US-PAT-NO: 6622136
DOCUMENT-IDENTIFIER: US 6622136 B2

TITLE: Interactive tool for semi-automatic creation of a domain model

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Russell; Dale William	Palatine	IL		

US-CL-CURRENT: 706/45; 706/50, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6615199 B1

L3: Entry 6 of 64

File: USPT

Sep 2, 2003

US-PAT-NO: 6615199

DOCUMENT-IDENTIFIER: US 6615199 B1

TITLE: Abstraction factory in a base services pattern environment

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6421667 B1

L3: Entry 7 of 64

File: USPT

Jul 16, 2002

US-PAT-NO: 6421667

DOCUMENT-IDENTIFIER: US 6421667 B1

**** See image for Certificate of Correction ****

TITLE: Delta model processing logic representation and execution system

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Codd; Edgar F.	Adventura	FL		
Codd; Sharon B.	Adventura	FL		

US-CL-CURRENT: 707/4; 706/45, 706/47, 706/50, 706/56, 707/102, 707/5, 707/6,
709/100, 709/106, 709/318, 717/114

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6353817 B1

L3: Entry 8 of 64

File: USPT

Mar 5, 2002

US-PAT-NO: 6353817

DOCUMENT-IDENTIFIER: US 6353817 B1

TITLE: Multi-user system for creating and maintaining a medical-decision-making knowledge base

DATE-ISSUED: March 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobs; Charles M	Northboro	MA	01532	
Karys; Alec P.	Sudbury	MA	01776	
Bushkoff; Robert L.	Concord	MA	01742	
Doyle; John J.	Franklin	MA	02038	
Hoover; Stewart V.	Sudbury	MA	01776	
Mitus; A. Jacqueline	W. Roxbury	MA	02132	
Lamprey; Josephine A.	North Hampton	NH	03862	

US-CL-CURRENT: 706/50; 345/841

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6349325 B1

L3: Entry 9 of 64

File: USPT

Feb 19, 2002

US-PAT-NO: 6349325

DOCUMENT-IDENTIFIER: US 6349325 B1

TITLE: Prioritized agent-based hierarchy structure for handling performance metrics data in a telecommunication management system

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Newcombe; Adrian	Dublin			IE
Seraj; Jila	Dublin			IE

US-CL-CURRENT: 709/202; 706/10, 706/11, 706/50, 709/223, 709/317, 709/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6341276 B1

L3: Entry 10 of 64

File: USPT

Jan 22, 2002

US-PAT-NO: 6341276

DOCUMENT-IDENTIFIER: US 6341276 B1

TITLE: System for selecting a computer solution from a pre-defined set

DATE-ISSUED: January 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bender; Craig Samuel	Brewster	NY		
Shedletsky; John James	Brewster	NY		

US-CL-CURRENT: 706/50; 706/10, 706/21, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6314555 B1

L3: Entry 11 of 64

File: USPT

Nov 6, 2001

US-PAT-NO: 6314555

DOCUMENT-IDENTIFIER: US 6314555 B1

TITLE: Software system generation

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ndumu; Divine T	Suffolk			GB
Nwana; Hyacinth S	Suffolk			GB
Lee; Lyndon C	Colchester			GB

US-CL-CURRENT: 717/101; 706/49, 706/50, 706/59, 706/922, 709/202, 709/316, 709/317, 717/104, 717/110

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6282531 B1

L3: Entry 12 of 64

File: USPT

Aug 28, 2001

US-PAT-NO: 6282531

DOCUMENT-IDENTIFIER: US 6282531 B1

TITLE: System for managing applied knowledge and workflow in multiple dimensions and contexts

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haughton; John F.	Westford	MA		
Merenyi; Robert C.	Lexington	MA		
Harris; Jeff	Hampton	NH		
Sherman; Alexander	Brookline	MA		

US-CL-CURRENT: 706/50; 706/46, 706/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6278452 B1

L3: Entry 13 of 64

File: USPT

Aug 21, 2001

US-PAT-NO: 6278452

DOCUMENT-IDENTIFIER: US 6278452 B1

TITLE: Concise dynamic user interface for comparing hierarchically structured collections of objects

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huberman; Steven A.	Carlisle	MA		
Bauer; Jonathan A.	Andover	MA		

US-CL-CURRENT: 345/764; 706/48, 706/50, 707/100, 707/101

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 14. Document ID: US 6253195 B1

L3: Entry 14 of 64

File: USPT

Jun 26, 2001

US-PAT-NO: 6253195

DOCUMENT-IDENTIFIER: US 6253195 B1

**** See image for Certificate of Correction ****

TITLE: Optimized query tree

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hudis; Irena	Bellevue	WA		
McCollum; Raymond	Monroe	WA		
Novik; Lev	Bellevue	WA		

US-CL-CURRENT: 707/2; 345/804, 345/853, 706/45, 706/50, 707/101, 707/3, 707/5,
709/219, 709/321, 710/104, 711/110, 715/501.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 15. Document ID: US 6247007 B1

L3: Entry 15 of 64

File: USPT

Jun 12, 2001

US-PAT-NO: 6247007

DOCUMENT-IDENTIFIER: US 6247007 B1

TITLE: Hierarchically arranged knowledge domains

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooperman; Marc	Short Hills	NJ		
Karch; Robert	Riverside	CT		

US-CL-CURRENT: 706/50; 706/47

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 16. Document ID: US 6188999 B1

L3: Entry 16 of 64

File: USPT

Feb 13, 2001

US-PAT-NO: 6188999

DOCUMENT-IDENTIFIER: US 6188999 B1

TITLE: Method and system for dynamically synthesizing a computer program by differentially resolving atoms based on user context data

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moody; Scott F.	Seattle	WA		

US-CL-CURRENT: 706/11; 345/968, 706/47, 706/50, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 6154783 A

L3: Entry 17 of 64

File: USPT

Nov 28, 2000

US-PAT-NO: 6154783

DOCUMENT-IDENTIFIER: US 6154783 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for addressing an electronic document for transmission over a network

DATE-ISSUED: November 28, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilmour; David L.	Los Altos Hills	CA		
Wang; Hua-Wen	Milpitas	CA		

US-CL-CURRENT: 709/245; 706/50, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 6112190 A

L3: Entry 18 of 64

File: USPT

Aug 29, 2000

US-PAT-NO: 6112190

DOCUMENT-IDENTIFIER: US 6112190 A

TITLE: Method and system for commercial credit analysis

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fletcher; Bruce Alan	Darien	CT		
Bhat; Sandeep	Rego Park	NY		
Didner; Ira	Bellerose	NY		
Freundlich; Yehudah	Brooklyn	NY		
Kolodziejski; Richard	Deer Park	NY		
Schoder; Joseph	Ardsley	NY		
Ronen; Yagil	New York	NY		

US-CL-CURRENT: 705/38; 705/35, 705/36, 706/47, 706/50, 706/60, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC	Draw Desc	Image
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☐ 19. Document ID: US 6038560 A

L3: Entry 19 of 64

File: USPT

Mar 14, 2000

US-PAT-NO: 6038560

DOCUMENT-IDENTIFIER: US 6038560 A

TITLE: Concept knowledge base search and retrieval system

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wical; Kelly	San Carlos	CA		

US-CL-CURRENT: 707/5; 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC	Draw Desc	Image
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☐ 20. Document ID: US 6026387 A

L3: Entry 20 of 64

File: USPT

Feb 15, 2000

US-PAT-NO: 6026387

DOCUMENT-IDENTIFIER: US 6026387 A

TITLE: Consumer comment reporting apparatus and method

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kesel; Brad	Atlanta	GA	30329	

US-CL-CURRENT: 706/52; 706/45, 706/46, 706/50, 706/55

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC	Draw Desc	Image
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☐ 21. Document ID: US 5963447 A

L3: Entry 21 of 64

File: USPT

Oct 5, 1999

US-PAT-NO: 5963447

DOCUMENT-IDENTIFIER: US 5963447 A

TITLE: Multiple-agent hybrid control architecture for intelligent real-time control of distributed nonlinear processes

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kohn; Wolf	Bellevue	WA		
Nerode; Anil	Ithaca	NY		

US-CL-CURRENT: 700/49; 700/181, 700/2, 700/83, 706/10, 706/46, 706/50, 706/59, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 22. Document ID: US 5893084 A

L3: Entry 22 of 64

File: USPT

Apr 6, 1999

US-PAT-NO: 5893084

DOCUMENT-IDENTIFIER: US 5893084 A

TITLE: Method for creating specific purpose rule-based n-bit virtual machines

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morgan; Joseph M.	Amarillo	TX		
Harold; Michael D.	Shreveport	LA		

US-CL-CURRENT: 706/50; 341/67, 341/95, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 23. Document ID: US 5826250 A

L3: Entry 23 of 64

File: USPT

Oct 20, 1998

US-PAT-NO: 5826250

DOCUMENT-IDENTIFIER: US 5826250 A

TITLE: Rules bases and methods of access thereof

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trefler; Alan	Chestnut Hill	MA		

US-CL-CURRENT: 706/50; 707/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5822743 A

L3: Entry 24 of 64

File: USPT

Oct 13, 1998

US-PAT-NO: 5822743

DOCUMENT-IDENTIFIER: US 5822743 A

TITLE: Knowledge-based information retrieval system

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gupta; Kalyan Moy	Hamilton			CA
Langley; Alan Mark	Mississauga			CA
Ching; John Yen	Oakville			CA

US-CL-CURRENT: 706/50; 706/46, 706/54, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 25. Document ID: US 5781703 A

L3: Entry 25 of 64

File: USPT

Jul 14, 1998

US-PAT-NO: 5781703

DOCUMENT-IDENTIFIER: US 5781703 A

TITLE: Intelligent remote agent for computer performance monitoring

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Desai; Arun K.	Thousand Oaks	CA		
Bendar; Scott Alan	Westlake Village	CA		
Modster; Gregory William	Los Angeles	CA		

US-CL-CURRENT: 706/50; 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 26. Document ID: US 5778154 A

L3: Entry 26 of 64

File: USPT

Jul 7, 1998

US-PAT-NO: 5778154

DOCUMENT-IDENTIFIER: US 5778154 A

TITLE: Advisor system and method for determining reservoir properties

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bone; Russell L.	Plano	TX		
Gobran; Meri Lynn	Plano	TX		
Kuo; Tsai-Bao	Plano	TX		

US-CL-CURRENT: 706/47; 706/45, 706/50, 706/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 27. Document ID: US 5765028 A

L3: Entry 27 of 64

File: USPT

Jun 9, 1998

US-PAT-NO: 5765028

DOCUMENT-IDENTIFIER: US 5765028 A

TITLE: Method and apparatus for providing neural intelligence to a mail query agent in an online analytical processing system

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gladden; Paul Edward	Murrieta	CA		

US-CL-CURRENT: 706/25; 706/14, 706/50, 706/59, 707/10, 707/2, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 28. Document ID: US 5764974 A

L3: Entry 28 of 64

File: USPT

Jun 9, 1998

US-PAT-NO: 5764974

DOCUMENT-IDENTIFIER: US 5764974 A

TITLE: System with user specified pattern definitions for matching input messages and associated decisions for conditionally responding to the input messages

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walster; James Earl	Roseville	MN		
Wiggins; Mark Anthony	St. Paul	MN		

US-CL-CURRENT: 707/6; 706/20, 706/50, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 29. Document ID: US 5745654 A

L3: Entry 29 of 64

File: USPT

Apr 28, 1998

US-PAT-NO: 5745654

DOCUMENT-IDENTIFIER: US 5745654 A

TITLE: Fast explanations of scored observations

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Titan; Hari	La Jolla	CA		

US-CL-CURRENT: 706/20; 706/11, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 30. Document ID: US 5742813 A

L3: Entry 30 of 64

File: USPT

Apr 21, 1998

US-PAT-NO: 5742813

DOCUMENT-IDENTIFIER: US 5742813 A

TITLE: Method and apparatus for concurrency in an object oriented database using lock inheritance based on class objects

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kavanagh; Thomas S.	Boulder	CO		
Beall; Christopher W.	Boulder	CO		
Heiny; William C.	Arvada	CO		
Motycka; John D.	Evergreen	CO		
Pendleton; Samuel S.	Louisville	CO		
Terpening; Brooke E.	Golden	CO		
Traut; Kenneth A.	Boulder	CO		

US-CL-CURRENT: 707/8; 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 31. Document ID: US 5680606 A

L3: Entry 31 of 64

File: USPT

Oct 21, 1997

US-PAT-NO: 5680606

DOCUMENT-IDENTIFIER: US 5680606 A

TITLE: Apparatus and method for creating membership functions

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakajima; Hiroshi	Kyoto			JP
Kudo; Toshimi	Kyoto			JP
Hayashi; Motoji	Kyoto			JP

US-CL-CURRENT: 707/4; 706/50, 706/52, 707/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 32. Document ID: US 5630127 A

L3: Entry 32 of 64

File: USPT

May 13, 1997

US-PAT-NO: 5630127

DOCUMENT-IDENTIFIER: US 5630127 A

TITLE: Program storage device and computer program product for managing an event driven management information system with rule-based application structure stored in a relational database

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; Allan R.	Herndon	VA		
Poulos; Lori J.	McLean	VA		
DeFazio; Lynn G.	Manassas	VA		

US-CL-CURRENT: 707/103R; 705/1, 705/10, 706/50, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 33. Document ID: US 5619694 A

L3: Entry 33 of 64

File: USPT

Apr 8, 1997

US-PAT-NO: 5619694

DOCUMENT-IDENTIFIER: US 5619694 A

TITLE: Case database storage/retrieval system

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shimazu; Hideo	Tokyo			JP

US-CL-CURRENT: 707/104.1; 706/50, 706/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 34. Document ID: US 5615359 A

L3: Entry 34 of 64

File: USPT

Mar 25, 1997

US-PAT-NO: 5615359

DOCUMENT-IDENTIFIER: US 5615359 A

**** See image for Certificate of Correction ****

TITLE: Data server with data probes employing predicate tests in rule statements

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yung; Alex	Walnut	CA		

US-CL-CURRENT: 707/10; 706/45, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 35. Document ID: US 5615309 A

L3: Entry 35 of 64

File: USPT

Mar 25, 1997

US-PAT-NO: 5615309

DOCUMENT-IDENTIFIER: US 5615309 A

TITLE: Inferencing production control computer system

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bezek; John D.	Owego	NY		
Kogge; Peter M.	Endicott	NY		

US-CL-CURRENT: 706/50; 706/48, 711/108

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 36. Document ID: US 5615112 A

L3: Entry 36 of 64

File: USPT

Mar 25, 1997

US-PAT-NO: 5615112

DOCUMENT-IDENTIFIER: US 5615112 A

TITLE: Synthesized object-oriented entity-relationship (SOOER) model for coupled knowledge-base/database of image retrieval expert system (IRES)

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Liu Sheng; Olivia R.	Tucson	AZ		
Wei; Chih-Ping	Tucson	AZ		
Ozeki; Takeshi	Foster City	AZ		

US-CL-CURRENT: 707/104.1; 706/11, 706/45, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 37. Document ID: US 5594837 A

L3: Entry 37 of 64

File: USPT

Jan 14, 1997

US-PAT-NO: 5594837

DOCUMENT-IDENTIFIER: US 5594837 A

TITLE: Method for representation of knowledge in a computer as a network database system

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noyes; Dallas B.	Richland	WA	99352	

US-CL-CURRENT: 706/55; 706/11, 706/50, 707/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 38. Document ID: US 5579441 A

L3: Entry 38 of 64

File: USPT

Nov 26, 1996

US-PAT-NO: 5579441

DOCUMENT-IDENTIFIER: US 5579441 A

TITLE: Refraction algorithm for production systems with content addressable memory

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bezek; John D.	Owego	NY		
Kogge; Peter M.	Endicott	NY		

US-CL-CURRENT: 706/50; 706/48

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 39. Document ID: US 5517642 A

L3: Entry 39 of 64

File: USPT

May 14, 1996

US-PAT-NO: 5517642

DOCUMENT-IDENTIFIER: US 5517642 A

TITLE: Inferencing production control computer system

DATE-ISSUED: May 14, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bezek; John D.	Owego	NY		
Kogge; Peter M.	Endicott	NY		

US-CL-CURRENT: 707/3; 706/47, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 40. Document ID: US 5504840 A

L3: Entry 40 of 64

File: USPT

Apr 2, 1996

US-PAT-NO: 5504840

DOCUMENT-IDENTIFIER: US 5504840 A

TITLE: Knowledge acquisition support system and method in an expert system

DATE-ISSUED: April 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hiji; Masahiro	Sendai			JP
Yamanaka; Toshiro	Machida			JP

US-CL-CURRENT: 706/61; 706/50, 706/54, 706/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 41. Document ID: US 5481700 A

L3: Entry 41 of 64

File: USPT

Jan 2, 1996

US-PAT-NO: 5481700

DOCUMENT-IDENTIFIER: US 5481700 A

**** See image for Certificate of Correction ****

TITLE: Apparatus for design of a multilevel secure database management system based on a multilevel logic programming system

DATE-ISSUED: January 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thuraisingham; Bhavani M.	Lexington	MA		

US-CL-CURRENT: 707/9; 706/45, 706/46, 706/50, 715/533

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 42. Document ID: US 5475838 A

L3: Entry 42 of 64

File: USPT

Dec 12, 1995

US-PAT-NO: 5475838

DOCUMENT-IDENTIFIER: US 5475838 A

**** See image for Certificate of Correction ****

TITLE: Extensible entity management system including rule-based alarms

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fehskens; Leonard G.	Westboro	MA		
Strutt; Colin	Westford	MA		
Wong; Steven K.	Chelmsford	MA		
Callander; Jill F.	Hudson	MA		
Burgess; Peter H.	Salisbury	MA		
Nelson; Kathy J.	Nashua	NH		
Guertin; Matthew J.	Westford	MA		
Plouffe; Gerard R.	Nashua	NH		
Sylor; Mark W.	Nashua	NH		
Chapman; Kenneth W.	Nashua	NH		
Schuchard; Robert C.	Ashburnham	MA		
Goldfarb; Stanley I.	Hudson	MA		
Navkal; Anil V.	Maynard	MA		
Rogers; Dennis O.	Leominster	MA		
O'Brien; Linsey B.	Wellesley	MA		
Trasatti; Philip J.	Brookline	NH		
Chan-Lizardo; Christine C.	Chelmsford	MA		
England; Benjamin M.	Haverhill	MA		
Lemmon, Jr.; James L.	Leominster	MA		
Rosenbaum; Richard L.	Pepperell	MA		
Kohls; Ruth E. J.	Acton	MA		
Aronson; David L.	Boston	MA		
Moore; Allan B.	Acton	MA		
Ross; Robert R. N.	Mansfield	MA		
Smith; Danny L.	Haverhill	MA		
Adams, Jr.; William C.	Topsfield	MA		
Sankar; Arundahati G.	Andover	MA		
Koning; G. Paul	Brookline	NH		
Namoglu; Sheryl F.	Mount Vernon	NH		
Seeger; Mark J.	Harvard	MA		
Dixon; Timothy M.	Woodcote Reading			GB
Harrow; Jeffrey R.	Amherst	NH		

US-CL-CURRENT: 714/57; 706/50, 707/200, 709/223

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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☐ 43. Document ID: US 5473732 A

L3: Entry 43 of 64

File: USPT

Dec 5, 1995

US-PAT-NO: 5473732

DOCUMENT-IDENTIFIER: US 5473732 A

**** See image for Certificate of Correction ****TITLE: Relational artificial intelligence system

DATE-ISSUED: December 5, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chang; Hou-Mei H.	Durham	NC	27713	

US-CL-CURRENT: 706/59; 706/45, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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☐ 44. Document ID: US 5446885 A

L3: Entry 44 of 64

File: USPT

Aug 29, 1995

US-PAT-NO: 5446885

DOCUMENT-IDENTIFIER: US 5446885 A

TITLE: Event driven management information system with rule-based applications structure stored in a relational database

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; Allan R.	Herndon	VA		
Poulos; Lori J.	McLean	VA		
DeFazio; Lynn G.	Manassas	VA		

US-CL-CURRENT: 707/103R; 706/45, 706/50, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWMC	Draw Desc	Image
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☐ 45. Document ID: US 5379366 A

L3: Entry 45 of 64

File: USPT

Jan 3, 1995

US-PAT-NO: 5379366

DOCUMENT-IDENTIFIER: US 5379366 A

TITLE: Method for representation of knowledge in a computer as a network database system

DATE-ISSUED: January 3, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noyes; Dallas B.	Richland	WA	99352	

US-CL-CURRENT: 706/55; 706/11, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 46. Document ID: US 5355445 A

L3: Entry 46 of 64

File: USPT

Oct 11, 1994

US-PAT-NO: 5355445

DOCUMENT-IDENTIFIER: US 5355445 A

TITLE: Knowledge base management system for an information reasoning apparatus

DATE-ISSUED: October 11, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shibao; Kouichi	Ichihara			JP
Osada; Yukinori	Ichihara			JP
Shimizu; Makoto	Ichihara			JP
Nishimura; Tadashi	Ichihara			JP

US-CL-CURRENT: 706/50; 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 47. Document ID: US 5263126 A

L3: Entry 47 of 64

File: USPT

Nov 16, 1993

US-PAT-NO: 5263126

DOCUMENT-IDENTIFIER: US 5263126 A

**** See image for Certificate of Correction ****

TITLE: Automatic expert system

DATE-ISSUED: November 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chang; Hou-Mei H.	Clearwater	FL	34622	

US-CL-CURRENT: 706/46; 706/11, 706/50, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 48. Document ID: US 5259067 A

L3: Entry 48 of 64

File: USPT

Nov 2, 1993

US-PAT-NO: 5259067

DOCUMENT-IDENTIFIER: US 5259067 A

TITLE: Optimization of information bases

DATE-ISSUED: November 2, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kautz; Henry A.	Summit	NJ		
Selman; Bart	Summit	NJ		

US-CL-CURRENT: 706/57; 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 49. Document ID: US 5257185 A

L3: Entry 49 of 64

File: USPT

Oct 26, 1993

US-PAT-NO: 5257185

DOCUMENT-IDENTIFIER: US 5257185 A

TITLE: Interactive, cross-referenced knowledge system

DATE-ISSUED: October 26, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Farley; Ann W.	West Hartford	CT	06107	
Waggoner; Clifford I.	East Granby	CT		
Dutton; James W.	West Hartford	CT		
Allabaugh; David C.	East Granby	CT		

US-CL-CURRENT: 707/100; 706/50, 706/59, 715/533

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 50. Document ID: US 5249262 A

L3: Entry 50 of 64

File: USPT

Sep 28, 1993

US-PAT-NO: 5249262

DOCUMENT-IDENTIFIER: US 5249262 A

TITLE: Component intersection data base filter

DATE-ISSUED: September 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baule; Gerhard M.	Camillus	NY		

US-CL-CURRENT: 706/56; 706/50, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC	Draw Desc	Image
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Generate Collection

Print

Terms	Documents
L2 and relational	64

Display Format:

-

Change Format

[Previous Page](#)

[Next Page](#)

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 51 through 64 of 64 returned.**☐ 51. Document ID: US 5228116 A

L3: Entry 51 of 64

File: USPT

Jul 13, 1993

US-PAT-NO: 5228116

DOCUMENT-IDENTIFIER: US 5228116 A

**** See image for Certificate of Correction ****

TITLE: Knowledge base management system

DATE-ISSUED: July 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harris; Larry R.	Concord	MA		
Hill; Jeffrey M.	Watertown	MA		
Marcott; Dayton	Watertown	MA		
Rochford; Timothy F.	East Greenwich	RI		

US-CL-CURRENT: 706/50; 706/47, 707/104.1[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KWC](#) | [Draw Desc](#) | [Image](#)☐ 52. Document ID: US 5226111 A

L3: Entry 52 of 64

File: USPT

Jul 6, 1993

US-PAT-NO: 5226111

DOCUMENT-IDENTIFIER: US 5226111 A

TITLE: Organization of theory based systems

DATE-ISSUED: July 6, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Black; Damian S.	Bristol			GB2
Manley; John C.	Bristol			GB2

US-CL-CURRENT: 706/50; 706/46, 707/104.1[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KWC](#) | [Draw Desc](#) | [Image](#)☐ 53. Document ID: US 5136523 A

L3: Entry 53 of 64

File: USPT

Aug 4, 1992

US-PAT-NO: 5136523
DOCUMENT-IDENTIFIER: US 5136523 A

TITLE: System for automatically and transparently mapping rules and objects from a stable storage database management system within a forward chaining or backward chaining inference cycle

DATE-ISSUED: August 4, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Landers; Terry A.	Woburn	MA		

US-CL-CURRENT: 706/50; 706/47, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 54. Document ID: US 5065338 A

L3: Entry 54 of 64

File: USPT

Nov 12, 1991

US-PAT-NO: 5065338
DOCUMENT-IDENTIFIER: US 5065338 A

TITLE: Expert information system and method for decision record generation

DATE-ISSUED: November 12, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Phillips; Clarence W.	Canton	IL		
Phillips; William F.	Canton	IL		
Jacobus; Gerry A.	Canton	IL		

US-CL-CURRENT: 706/50; 706/10, 706/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 55. Document ID: US 5021992 A

L3: Entry 55 of 64

File: USPT

Jun 4, 1991

US-PAT-NO: 5021992
DOCUMENT-IDENTIFIER: US 5021992 A

TITLE: Method of translating data from knowledge base to data base

DATE-ISSUED: June 4, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kondo; Hidefumi	Yamato			JP

US-CL-CURRENT: 706/50; 707/101

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 56. Document ID: US 4970658 A

L3: Entry 56 of 64

File: USPT

Nov 13, 1990

US-PAT-NO: 4970658

DOCUMENT-IDENTIFIER: US 4970658 A

TITLE: Knowledge engineering tool

DATE-ISSUED: November 13, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Durbin; Gary L.	Oakland	CA		
Somerville; David H.	Albany	CA		

US-CL-CURRENT: 706/60; 706/10, 706/48, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 57. Document ID: US 4943933 A

L3: Entry 57 of 64

File: USPT

Jul 24, 1990

US-PAT-NO: 4943933

DOCUMENT-IDENTIFIER: US 4943933 A

TITLE: Method for translating data base to knowledge and apparatus therefor

DATE-ISSUED: July 24, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miyamoto; Hironori	Yokohama			JP
Kondo; Hidefumi	Yamato			JP
Haga; Hirohide	Yokohama			JP
Takashi; Rinichi	Yokohama			JP

US-CL-CURRENT: 706/50; 706/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 58. Document ID: US 4935876 A

L3: Entry 58 of 64

File: USPT

Jun 19, 1990

US-PAT-NO: 4935876

DOCUMENT-IDENTIFIER: US 4935876 A

TITLE: Knowledge base management method and system

DATE-ISSUED: June 19, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanatsuka; Mitsuhiro	Yokohama			JP

US-CL-CURRENT: 706/50; 706/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 59. Document ID: US 4930071 A

L3: Entry 59 of 64

File: USPT

May 29, 1990

US-PAT-NO: 4930071

DOCUMENT-IDENTIFIER: US 4930071 A

TITLE: Method for integrating a knowledge-based system with an arbitrary database system

DATE-ISSUED: May 29, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tou; Frederich N.	Sunnyvale	CA		
Hasan; Wagar	Allahabad			IN

US-CL-CURRENT: 707/4; 706/50, 706/53, 715/533

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 60. Document ID: US 4901229 A

L3: Entry 60 of 64

File: USPT

Feb 13, 1990

US-PAT-NO: 4901229

DOCUMENT-IDENTIFIER: US 4901229 A

TITLE: Parallelized rules processing system using associative memory for pipelined execution of plural join operations and concurrent condition comparing

DATE-ISSUED: February 13, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tashiro; Tsutomu	Edinburgh			GB
Komoda; Norihisa	Nijigaoka, Asao-ku, Kawasaki-shi, Kanagawa			JP
Tsushima; Isao	Nishi-tsuruma, Yamato-shi, Kanagawa			JP
Matsumoto; Kuniaki	Ooshima, Koto-ku, Tokyo			JP
Kawashima; Kazuhiro	Kohoku-ku, Yokohama-shi, Kanagawa			JP
Maekawa; Riyoji	Nagasawa, Tama-ku, Kawasaki-shi, Kanagawa			JP

US-CL-CURRENT: [706/10](#); [706/48](#), [706/50](#), [706/906](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 61. Document ID: US 4884218 A

L3: Entry 61 of 64

File: USPT

Nov 28, 1989

US-PAT-NO: 4884218

DOCUMENT-IDENTIFIER: US 4884218 A

**** See image for Certificate of Correction ****

TITLE: Knowledge system with improved request processing

DATE-ISSUED: November 28, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agnew; Palmer W.	Owego	NY		
Clayton; Neil H.	Apalachin	NY		
Judkovics; Monroe	Endwell	NY		
Rivero; Jose L.	Boca Raton	FL		
Sun; Kuo-chang	Endicott	NY		

US-CL-CURRENT: [706/50](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 62. Document ID: US 4868733 A

L3: Entry 62 of 64

File: USPT

Sep 19, 1989

US-PAT-NO: 4868733

DOCUMENT-IDENTIFIER: US 4868733 A

TITLE: Document filing system with knowledge-base network of concept interconnected by generic, subsumption, and superclass relations

DATE-ISSUED: September 19, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujisawa; Hiromichi	Tokorozawa			JP
Higashino; Jun'ichi	Kokubunji			JP
Hatakeyama; Atushi	Kokubunji			JP

US-CL-CURRENT: [707/5](#); [706/50](#), [706/53](#), [706/55](#), [706/934](#), [715/533](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 63. Document ID: US 4837735 A

L3: Entry 63 of 64

File: USPT

Jun 6, 1989

US-PAT-NO: 4837735
DOCUMENT-IDENTIFIER: US 4837735 A

TITLE: Parallel machine architecture for production rule systems

DATE-ISSUED: June 6, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allen, Jr.; John D.	Knoxville	TN		
Butler; Philip L.	Knoxville	TN		

US-CL-CURRENT: 706/10; 700/4, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 64. Document ID: US 4835683 A

L3: Entry 64 of 64

File: USPT

May 30, 1989

US-PAT-NO: 4835683
DOCUMENT-IDENTIFIER: US 4835683 A

TITLE: Expert information system and method for decision record generation

DATE-ISSUED: May 30, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Phillips; Clarence W.	Canton	IL		
Phillips; William F.	Canton	IL		
Jacobus; Gerry A.	Canton	IL		

US-CL-CURRENT: 706/10; 375/222, 379/9, 706/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Generate Collection

Print

Terms

Documents

L2 and relational

64

Display Format:

-

Change Format

[Previous Page](#)

[Next Page](#)

USPTO Intranet [Patent Intranet](#) > [Classification Home Page](#) > **US Classes by Number with Title** [Site Feedback](#)

[Menu](#)

[Search Classification Data](#) | [Class Numbers & Titles](#) | [Class Numbers](#) | [USPC Index](#) | [International](#) | [HELP](#) | [Employee by Name](#) | [Employees by Org](#)

[<-Previous Page](#)

US Classes by Number with Title Menu

1. Select what you want...

- ☒ **Class Schedule (HTML)**
☐ **Class Schedule (PDF)**
☐ **Class Schedule Optional Format**
 - With Numbered Indent Levels (HTML)
☐ **Class Definition (HTML)**
☐ **Class Definition (PDF)**
☐ **US-to-IPC Concordance**
☐ **US-to-Locarno Concordance**

2. Select a class.

Class Number and Title	
Go	002 Apparel
Go	004 Baths, closets, sinks, and spittoons
Go	005 Beds
Go	007 Compound tools
Go	008 Bleaching and dyeing; fluid treatment and chemical modification of textiles and fibers
Go	012 Boot and shoe making
Go	014 Bridges
Go	015 Brushing, scrubbing, and general cleaning
Go	016 Miscellaneous hardware
Go	019 Textiles: fiber preparation
Go	023 Chemistry: physical processes
Go	024 Buckles, buttons, clasps, etc.
Go	026 Textiles: cloth finishing
Go	027 Undertaking
Go	028 Textiles: manufacturing

Go	029	Metal working
Go	030	Cutlery
Go	033	Geometrical instruments
Go	034	Drying and gas or vapor contact with solids
Go	036	Boots, shoes, and leggings
Go	037	Excavating
Go	038	Textiles: ironing or smoothing
Go	040	Card, picture, or sign exhibiting
Go	042	Firearms
Go	043	Fishing, trapping, and vermin destroying
Go	044	Fuel and related compositions
Go	047	Plant husbandry
Go	048	Gas: heating and illuminating
Go	049	Movable or removable closures
Class Number and Title		
Go	051	Abrasive tool making process, material, or composition
Go	052	Static structures (e.g., buildings)
Go	053	Package making
Go	054	Harness
Go	055	Gas separation
Go	056	Harvesters
Go	057	Textiles: spinning, twisting, and twining
Go	059	Chain, staple, and horseshoe making
Go	060	Power plants
Go	062	Refrigeration
Go	063	Jewelry
Go	065	Glass manufacturing
Go	066	Textiles: knitting
Go	068	Textiles: fluid treating apparatus

Go	069	Leather manufactures
Go	070	Locks
Go	071	Chemistry: fertilizers
Go	072	Metal deforming
Go	073	Measuring and testing
Go	074	Machine element or mechanism
Go	075	Specialized metallurgical processes, compositions for use therein, consolidated metal powder compositions, and loose metal particulate mixtures
Go	076	Metal tools and implements, making
Go	079	Button making
Go	081	Tools
Go	082	Turning
Go	083	Cutting
Go	084	Music
Go	086	Ammunition and explosive-charge making
Go	087	Textiles: braiding, netting, and lace making
	Class Number and Title	
Go	089	Ordnance
Go	091	Motors: expansible chamber type
Go	092	Expansible chamber devices
Go	095	Gas separation: processes
Go	096	Gas separation: apparatus
Go	099	Foods and beverages: apparatus
Go	100	Presses
Go	101	Printing
Go	102	Ammunition and explosives
Go	104	Railways
Go	105	Railway rolling stock
Go	106	Compositions: coating or plastic
Go	108	Horizontally supported planar surfaces

Go	109	Safes, bank protection, or a related device
Go	110	Furnaces
Go	111	Planting
Go	112	Sewing
Go	114	Ships
Go	116	Signals and indicators
Go	117	Single-crystal, oriented-crystal, and epitaxy growth processes; non-coating apparatus therefor
Go	118	Coating apparatus
Go	119	Animal husbandry
Go	122	Liquid heaters and vaporizers
Go	123	Internal-combustion engines
Go	124	Mechanical guns and projectors
Go	125	Stone working
Go	126	Stoves and furnaces
Go	127	Sugar, starch, and carbohydrates
Go	128	Surgery
Class Number and Title		
Go	131	Tobacco
Go	132	Toilet
Go	134	Cleaning and liquid contact with solids
Go	135	Tent, canopy, umbrella, or cane
Go	136	Batteries: thermoelectric and photoelectric
Go	137	Fluid handling
Go	138	Pipes and tubular conduits
Go	139	Textiles: weaving
Go	140	Wireworking
Go	141	Fluent material handling, with receiver or receiver coating means
Go	142	Wood turning
Go	144	Woodworking

Go	147	Coopering
Go	148	Metal treatment
Go	149	Explosive and thermic compositions or charges
Go	150	Purses, wallets, and protective covers
Go	152	Resilient tires and wheels
Go	156	Adhesive bonding and miscellaneous chemical manufacture
Go	157	Wheelwright machines
Go	159	Concentrating evaporators
Go	160	Flexible or portable closure, partition, or panel
Go	162	Paper making and fiber liberation
Go	163	Needle and pin making
Go	164	Metal founding
Go	165	Heat exchange
Go	166	Wells
Go	168	Farriery
Go	169	Fire extinguishers
Go	171	Unearthing plants or buried objects
Class Number and Title		
Go	172	Earth working
Go	173	Tool driving or impacting
Go	174	Electricity: conductors and insulators
Go	175	Boring or penetrating the earth
Go	177	Weighing scales
Go	178	Telegraphy
Go	180	Motor vehicles
Go	181	Acoustics
Go	182	Fire escape, ladder, or scaffold
Go	184	Lubrication
Go	185	Motors: spring, weight, or animal powered

Go	186	Merchandising
Go	187	Elevator, industrial lift truck, or stationary lift for vehicle
Go	188	Brakes
Go	190	Trunks and hand-carried luggage
Go	191	Electricity: transmission to vehicles
Go	192	Clutches and power-stop control
Go	193	Conveyors, chutes, skids, guides, and ways
Go	194	Check-actuated control mechanisms
Go	196	Mineral oils: apparatus
Go	198	Conveyors: power-driven
Go	199	Type casting
Go	200	Electricity: circuit makers and breakers
Go	201	Distillation: processes, thermolytic
Go	202	Distillation: apparatus
Go	203	Distillation: processes, separatory
Go	204	Chemistry: electrical and wave energy
Go	205	Electrolysis: processes, compositions used therein, and methods of preparing the compositions
Go	206	Special receptacle or package
Class Number and Title		
Go	208	Mineral oils: processes and products
Go	209	Classifying, separating, and assorting solids
Go	210	Liquid purification or separation
Go	211	Supports: racks
Go	212	Traversing hoists
Go	213	Railway draft appliances
Go	215	Bottles and jars
Go	216	Etching a substrate: processes
Go	217	Wooden receptacles
Go	218	High-voltage switches with arc preventing or extinguishing devices

Go	219	Electric heating
Go	220	Receptacles
Go	221	Article dispensing
Go	222	Dispensing
Go	223	Apparel apparatus
Go	224	Package and article carriers
Go	225	Severing by tearing or breaking
Go	226	Advancing material of indeterminate length
Go	227	Elongated-member-driving apparatus
Go	228	Metal fusion bonding
Go	229	Envelopes, wrappers, and paperboard boxes
Go	231	Whips and whip apparatus
Go	232	Deposit and collection receptacles
Go	234	Selective cutting (e.g., punching)
Go	235	Registers
Go	236	Automatic temperature and humidity regulation
Go	237	Heating systems
Go	238	Railways: surface track
Go	239	Fluid sprinkling, spraying, and diffusing
Class Number and Title		
Go	241	Solid material comminution or disintegration
Go	242	Winding, tensioning, or guiding
Go	244	Aeronautics
Go	245	Wire fabrics and structure
Go	246	Railway switches and signals
Go	248	Supports
Go	249	Static molds
Go	250	Radiant energy
Go	251	Valves and valve actuation

Go	252	Compositions
Go	254	Implements or apparatus for applying pushing or pulling force
Go	256	Fences
Go	257	Active solid-state devices (e.g., transistors, solid-state diodes)
Go	258	Railway mail delivery
Go	260	Chemistry of carbon compounds
Go	261	Gas and liquid contact apparatus
Go	264	Plastic and nonmetallic article shaping or treating: processes
Go	266	Metallurgical apparatus
Go	267	Spring devices
Go	269	Work holders
Go	270	Sheet-material associating
Go	271	Sheet feeding or delivering
Go	273	Amusement devices: games
Go	276	Typesetting
Go	277	Seal for a joint or juncture
Go	278	Land vehicles: animal draft appliances
Go	279	Chucks or sockets
Go	280	Land vehicles
Go	281	Books, strips, and leaves
Class Number and Title		
Go	283	Printed matter
Go	285	Pipe joints or couplings
Go	289	Knots and knot tying
Go	290	Prime-mover dynamo plants
Go	291	Track sanders
Go	292	Closure fasteners
Go	293	Vehicle fenders
Go	294	Handling: hand and hoist-line implements

Go	295	Railway wheels and axles
Go	296	Land vehicles: bodies and tops
Go	297	Chairs and seats
Go	298	Land vehicles: dumping
Go	299	Mining or in situ disintegration of hard material
Go	300	Brush, broom, and mop making
Go	301	Land vehicles: wheels and axles
Go	303	Fluid-pressure and analogous brake systems
Go	305	Wheel substitutes for land vehicles
Go	307	Electrical transmission or interconnection systems
Go	310	Electrical generator or motor structure
Go	312	Supports: cabinet structure
Go	313	Electric lamp and discharge devices
Go	314	Electric lamp and discharge devices: consumable electrodes
Go	315	Electric lamp and discharge devices: systems
Go	318	Electricity: motive power systems
Go	320	Electricity: battery or capacitor charging or discharging
Go	322	Electricity: single generator systems
Go	323	Electricity: power supply or regulation systems
Go	324	Electricity: measuring and testing
Go	326	Electronic digital logic circuitry
Class Number and Title		
Go	327	Miscellaneous active electrical nonlinear devices, circuits, and systems
Go	329	Demodulators
Go	330	Amplifiers
Go	331	Oscillators
Go	332	Modulators
Go	333	Wave transmission lines and networks
Go	334	Tuners

Go	335	Electricity: magnetically operated switches, magnets, and electromagnets
Go	336	Inductor devices
Go	337	Electricity: electrothermally or thermally actuated switches
Go	338	Electrical resistors
Go	340	Communications: electrical
Go	341	Coded data generation or conversion
Go	342	Communications: directive radio wave systems and devices (e.g., radar, radio navigation)
Go	343	Communications: radio wave antennas
Go	345	Computer graphics processing, operator interface processing, and selective visual display systems
Go	346	Recorders
Go	347	Incremental printing of symbolic information
Go	348	Television
Go	349	Liquid crystal cells, elements and systems
Go	351	Optics: eye examining, vision testing and correcting
Go	352	Optics: motion pictures
Go	353	Optics: image projectors
Go	355	Photocopying
Go	356	Optics: measuring and testing
Go	358	Facsimile and static presentation processing
Go	359	Optical: systems and elements
Go	360	Dynamic magnetic information storage or retrieval
Go	361	Electricity: electrical systems and devices
Class Number and Title		
Go	362	Illumination
Go	363	Electric power conversion systems
Go	365	Static information storage and retrieval
Go	366	Agitating
Go	367	Communications, electrical: acoustic wave systems and devices

Go	368	Horology: time measuring systems or devices
Go	369	Dynamic information storage or retrieval
Go	370	Multiplex communications
Go	372	Coherent light generators
Go	373	Industrial electric heating furnaces
Go	374	Thermal measuring and testing
Go	375	Pulse or digital communications
Go	376	Induced nuclear reactions: processes, systems, and elements
Go	377	Electrical pulse counters, pulse dividers, or shift registers: circuits and systems
Go	378	X-ray or gamma ray systems or devices
Go	379	Telephonic communications
Go	380	Cryptography
Go	381	Electrical audio signal processing systems and devices
Go	382	Image analysis
Go	383	Flexible bags
Go	384	Bearings
Go	385	Optical waveguides
Go	386	Television signal processing for dynamic recording or reproducing
Go	388	Electricity: motor control systems
Go	392	Electric resistance heating devices
Go	396	Photography
Go	398	Optical communications
Go	399	Electrophotography
Go	400	Typewriting machines
Class Number and Title		
Go	401	Coating implements with material supply
Go	402	Binder device releasably engaging aperture or notch of sheet
Go	403	Joints and connections
Go	404	Road structure, process, or apparatus

Go	405	Hydraulic and earth engineering
Go	406	Conveyors: fluid current
Go	407	Cutters, for shaping
Go	408	Cutting by use of rotating axially moving tool
Go	409	Gear cutting, milling, or planing
Go	410	Freight accommodation on freight carrier
Go	411	Expanded, threaded, driven, headed, tool-deformed, or locked-threaded fastener
Go	412	Bookbinding: process and apparatus
Go	413	Sheet metal container making
Go	414	Material or article handling
Go	415	Rotary kinetic fluid motors or pumps
Go	416	Fluid reaction surfaces (i.e., impellers)
Go	417	Pumps
Go	418	Rotary expansible chamber devices
Go	419	Powder metallurgy processes
Go	420	Alloys or metallic compositions
Go	422	Chemical apparatus and process disinfecting, deodorizing, preserving, or sterilizing
Go	423	Chemistry of inorganic compounds
Go	424	Drug, bio-affecting and body treating compositions
Go	425	Plastic article or earthenware shaping or treating: apparatus
Go	426	Food or edible material: processes, compositions, and products
Go	427	Coating processes
Go	428	Stock material or miscellaneous articles
Go	429	Chemistry: electrical current producing apparatus, product, and process
Go	430	Radiation imagery chemistry: process, composition, or product thereof
Class Number and Title		
Go	431	Combustion
Go	432	Heating

Go	433	Dentistry
Go	434	Education and demonstration
Go	435	Chemistry: molecular biology and microbiology
Go	436	Chemistry: analytical and immunological testing
Go	438	Semiconductor device manufacturing: process
Go	439	Electrical connectors
Go	440	Marine propulsion
Go	441	Buoys, rafts, and aquatic devices
Go	442	Fabric (woven, knitted, or nonwoven textile or cloth, etc.)
Go	445	Electric lamp or space discharge component or device manufacturing
Go	446	Amusement devices: toys
Go	449	Bee culture
Go	450	Foundation garments
Go	451	Abrading
Go	452	Butchering
Go	453	Coin handling
Go	454	Ventilation
Go	455	Telecommunications
Go	460	Crop threshing or separating
Go	462	Books, strips, and leaves for manifolding
Go	463	Amusement devices: games
Go	464	Rotary shafts, gudgeons, housings, and flexible couplings for rotary shafts
Go	470	Threaded, headed fastener, or washer making: process and apparatus
Go	472	Amusement devices
Go	473	Games using tangible projectile
Go	474	Endless belt power transmission systems or components
Go	475	Planetary gear transmission systems or components
Class Number and Title		
Go	476	Friction gear transmission systems or components

Go	477	Interrelated power delivery controls, including engine control
Go	482	Exercise devices
Go	483	Tool changing
Go	492	Roll or roller
Go	493	Manufacturing container or tube from paper; or other manufacturing from a sheet or web
Go	494	Imperforate bowl: centrifugal separators
Go	501	Compositions: ceramic
Go	502	Catalyst, solid sorbent, or support therefor: product or process of making
Go	503	Record receiver having plural interactive leaves or a colorless color former, method of use, or developer therefor
Go	504	Plant protecting and regulating compositions
Go	505	Superconductor technology: apparatus, material, process
Go	507	Earth boring, well treating, and oil field chemistry
Go	508	Solid anti-friction devices, materials therefor, lubricant or separate compositions for moving solid surfaces, and miscellaneous mineral oil compositions
Go	510	Cleaning compositions for solid surfaces, auxiliary compositions therefor, or processes of preparing the compositions
Go	512	Perfume compositions
Go	514	Drug, bio-affecting and body treating compositions
Go	516	Colloid systems and wetting agents; subcombinations thereof; processes of
Go	518	Chemistry: fischer-tropsch processes; or purification or recovery of products thereof
Go	520	Synthetic resins or natural rubbers -- part of the class 520 series
Go	521	Synthetic resins or natural rubbers -- part of the class 520 series
Go	522	Synthetic resins or natural rubbers -- part of the class 520 series
Go	523	Synthetic resins or natural rubbers -- part of the class 520 series
Go	524	Synthetic resins or natural rubbers -- part of the class 520 series
Go	525	Synthetic resins or natural rubbers -- part of the class 520 series

Go	526	Synthetic resins or natural rubbers -- part of the class 520 series
Go	527	Synthetic resins or natural rubbers -- part of the class 520 series
Go	528	Synthetic resins or natural rubbers -- part of the class 520 series
Go	530	Chemistry: natural resins or derivatives; peptides or proteins; lignins or reaction products thereof
Class Number and Title		
Go	532	Organic compounds -- part of the class 532-570 series
Go	534	Organic compounds -- part of the class 532-570 series
Go	536	Organic compounds -- part of the class 532-570 series
Go	540	Organic compounds -- part of the class 532-570 series
Go	544	Organic compounds -- part of the class 532-570 series
Go	546	Organic compounds -- part of the class 532-570 series
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Go	556	Organic compounds -- part of the class 532-570 series
Go	558	Organic compounds -- part of the class 532-570 series
Go	560	Organic compounds -- part of the class 532-570 series
Go	562	Organic compounds -- part of the class 532-570 series
Go	564	Organic compounds -- part of the class 532-570 series
Go	568	Organic compounds -- part of the class 532-570 series
Go	570	Organic compounds -- part of the class 532-570 series
Go	585	Chemistry of hydrocarbon compounds
Go	588	Hazardous or toxic waste destruction or containment
Go	600	Surgery
Go	601	Surgery: kinesitherapy
Go	602	Surgery: splint, brace, or bandage
Go	604	Surgery


Go	606	Surgery
Go	607	Surgery: light, thermal, and electrical application
Go	623	Prosthesis (i.e., artificial body members), parts thereof, or aids and accessories therefor
Go	700	Data processing: generic control systems or specific applications
Go	701	Data processing: vehicles, navigation, and relative location
Go	702	Data processing: measuring, calibrating, or testing
Class Number and Title		
Go	703	Data processing: structural design, modeling, simulation, and emulation
Go	704	Data processing: speech signal processing, linguistics, language translation, and audio compression/decompression
Go	705	Data processing: financial, business practice, management, or cost/price determination
Go	706	Data processing: artificial intelligence
Go	707	Data processing: database and file management or data structures
Go	708	Electrical computers: arithmetic processing and calculating
Go	709	Electrical computers and digital processing systems: multiple computer or process coordinating
Go	710	Electrical computers and digital data processing systems: input/output
Go	711	Electrical computers and digital processing systems: memory
Go	712	Electrical computers and digital processing systems: processing architectures and instruction processing (e.g., processors)
Go	713	Electrical computers and digital processing systems: support
Go	714	Error detection/correction and fault detection/recovery
Go	715	Data processing: presentation processing of document
Go	716	Data processing: design and analysis of circuit or semiconductor mask
Go	717	Data processing: software development, installation, and management
Go	725	Interactive video distribution systems
Go	800	Multicellular living organisms and unmodified parts thereof and related processes
Go	901	Robots
Go	902	Electronic funds transfer

Go	930	Peptide or protein sequence
Go	968	Horology
Go	976	Nuclear technology
Go	984	Musical instruments
Go	987	Organic compounds containing a bi, sb, as, or p atom or containing a metal atom of the 6th to 8th group of the periodic system
Go	D01	Edible products
Go	D02	Apparel and haberdashery
Go	D03	Travel goods and personal belongings
Go	D04	Brushware
Go	D05	Textile or paper yard goods; sheet material
Class Number and Title		
Go	D06	Furnishings
Go	D07	Equipment for preparing or serving food or drink not elsewhere specified
Go	D08	Tools and hardware
Go	D09	Packages and containers for goods
Go	D10	Measuring, testing, or signalling instruments
Go	D11	Jewelry, symbolic insignia, and ornaments
Go	D12	Transportation
Go	D13	Equipment for production, distribution, or transformation of energy
Go	D14	Recording, communication, or information retrieval equipment
Go	D15	Machines not elsewhere specified
Go	D16	Photography and optical equipment
Go	D17	Musical instruments
Go	D18	Printing and office machinery
Go	D19	Office supplies; artists' and teachers' materials
Go	D20	Sales and advertising equipment
Go	D21	Games, toys, and sports goods
Go	D22	Arms, pyrotechnics, hunting and fishing equipment

Go	D23	Environmental heating and cooling; fluid handling and sanitary equipment
Go	D24	Medical and laboratory equipment
Go	D25	Building units and construction elements
Go	D26	Lighting
Go	D27	Tobacco and smokers' supplies
Go	D28	Cosmetic products and toilet articles
Go	D29	Equipment for safety, protection, and rescue (1)
Go	D30	Animal husbandry
Go	D32	Washing, cleaning, or drying machine
Go	D34	Material or article handling equipment
Go	D99	Miscellaneous
Go	PLT	Plants

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 [Class Numbers](#) |
 [USPC Index](#) |
 [International](#) |
 [HELP](#) |
 [Employee by Name](#) |
 [Employees by Org](#)

[<-Previous Page](#)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION

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- | | |
|-------------------|--|
| <u>1</u> | LINGUISTICS |
| <u>2</u> | . Translation machine |
| <u>3</u> | .. Having particular Input/Output device |
| <u>4</u> | .. Based on phrase, clause, or idiom |
| <u>5</u> | .. For partial translation |
| <u>6</u> | .. Punctuation |
| <u>7</u> | .. Storage or retrieval of data |
| <u>8</u> | . Multilingual or national language support |
| <u>9</u> | . Natural language |
| <u>10</u> | . Dictionary building, modification, or prioritization |
| <u>200</u> | SPEECH SIGNAL PROCESSING |
| <u>200.1</u> | . Psychoacoustic |
|
 | |
| <u>201</u> | . For storage or transmission |
| <u>202</u> | .. Neural network |
| <u>203</u> | .. Transformation |
| <u>204</u> | ... Orthogonal functions |
| <u>205</u> | .. Frequency |
| <u>206</u> | ... Specialized information |
| <u>207</u> | Pitch |
| <u>208</u> | Voiced or unvoiced |
| <u>209</u> | Formant |
| <u>210</u> | Silence decision |
| <u>211</u> | .. Time |
| <u>212</u> | ... Pulse code modulation (PCM) |
| <u>213</u> | ... Zero crossing |
| <u>214</u> | ... Voiced or unvoiced |
| <u>215</u> | ... Silence decision |
| <u>216</u> | ... Correlation function |
| <u>217</u> | Autocorrelation |
| <u>218</u> | Cross-correlation |
| <u>219</u> | .. Linear prediction |
| <u>220</u> | .. Analysis by synthesis |
| <u>221</u> | .. Pattern matching vocoders |
| <u>222</u> | ... Vector quantization |
| <u>223</u> | ... Excitation patterns |
| <u>224</u> | .. Normalizing |
| <u>225</u> | .. Gain control |
| <u>226</u> | .. Noise |
| <u>227</u> | ... Pretransmission |
| <u>228</u> | ... Post-transmission |
| <u>229</u> | .. Adaptive bit allocation |
| <u>230</u> | .. Quantization |
| <u>231</u> | . Recognition |

<u>232</u>	.. Neural network
<u>233</u>	.. Detect speech in noise
<u>234</u>	.. Normalizing
<u>235</u>	.. Speech to image
<u>236</u>	.. Specialized equations or comparisons
<u>237</u>	... Correlation
<u>238</u>	... Distance
<u>239</u>	... Similarity
<u>240</u>	... Probability
<u>241</u>	... Dynamic time warping
<u>242</u>	... Viterbi trellis
<u>243</u>	.. Creating patterns for matching
<u>244</u>	... Update patterns
<u>245</u>	... Clustering
<u>246</u>	.. Voice recognition
<u>247</u>	... Preliminary matching
<u>248</u>	... Endpoint detection
<u>249</u>	... Subportions
<u>250</u>	... Specialized models
<u>251</u>	.. Word recognition
<u>252</u>	... Preliminary matching
<u>253</u>	... Endpoint detection
<u>254</u>	... Subportions
<u>255</u>	... Specialized models
<u>256</u> Markov
<u>257</u> Natural language
<u>258</u>	. Synthesis
<u>259</u>	.. Neural network
<u>260</u>	.. Image to speech
<u>261</u>	.. Vocal tract model
<u>262</u>	.. Linear prediction
<u>263</u>	.. Correlation
<u>264</u>	.. Excitation
<u>265</u>	.. Interpolation
<u>266</u>	.. Specialized model
<u>267</u>	.. Time element
<u>268</u>	.. Frequency element
<u>269</u>	.. Transformation
<u>270</u>	. Application
<u>270.1</u>	.. Speech assisted network
<u>271</u>	.. Handicap aid
<u>272</u>	.. Novelty item
<u>273</u>	.. Security system
<u>274</u>	.. Warning/alarm system
<u>275</u>	.. Speech controlled system
<u>276</u>	.. Pattern display
<u>277</u>	.. Translation
<u>278</u>	.. Sound editing
<u>500</u>	AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION
<u>501</u>	. With content reduction encoding
<u>502</u>	. Delay line
<u>503</u>	AUDIO SIGNAL TIME COMPRESSION OR EXPANSION (E.G., RUN LENGTH CODING)
<u>504</u>	. With content reduction encoding

FOREIGN ART COLLECTIONS

FOR000 **CLASS-RELATED FOREIGN DOCUMENTS**

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[<-Previous Page](#)

Class 707 DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES

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- 1** **DATABASE OR FILE ACCESSING**
- 2 . Access augmentation or optimizing
- 3 . Query processing (i.e., searching)
- 4 .. Query formulation, input preparation, or translation
- 5 .. Query augmenting and refining (e.g., inexact access)
- 6 .. Pattern matching access
- 7 . Sorting
- 8 . Concurrency (e.g., lock management in shared database)
- 9 . Privileged access
- 10 . Distributed or remote access
- 100** **DATABASE SCHEMA OR DATA STRUCTURE**
- 101 . Manipulating data structure (e.g., compression, compaction, compilation)
- 102 . Generating database or data structure (e.g., via user interface)
- 103R . Object-oriented database structure
- 103Y .. Object-oriented database structure processing
- 103X .. Object-oriented database structure network
- 103Z .. Object-oriented database structure reference
- 104.1 . Application of database or data structure (e.g., distributed, multimedia, image)

- 200** **FILE OR DATABASE MAINTENANCE**
- 201 . Coherency (e.g., same view to multiple users)
- 202 .. Recoverability
- 203 .. Version management
- 204 .. Archiving or backup
- 205 . File allocation
- 206 .. Garbage collection

FOREIGN ART COLLECTIONS

FOR000 CLASS-RELATED FOREIGN DOCUMENTS

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WEST

Help

Logout

Interrupt

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Cases

Search Results -

Terms	Documents
L6 and parallel and data adj mining	17

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L7

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DATE: Monday, December 01, 2003 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=OR			
<u>L7</u>	L6 and parallel and data adj mining	17	<u>L7</u>
<u>L6</u>	L5 and paramet\$8	315	<u>L6</u>
<u>L5</u>	L4 and relational	633	<u>L5</u>
<u>L4</u>	((707/4)!.CCLS.)	1373	<u>L4</u>
<u>L3</u>	L2 and relational	64	<u>L3</u>
<u>L2</u>	((706/50)!.CCLS.)	214	<u>L2</u>
<u>L1</u>	(5701400 5734887 5412806 5590322 5710915 5787413 5787425 5799310 5806066 5895465 5448727).pn.	22	<u>L1</u>

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Help

Logout

Interrupt

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Cases

Search Results -

Terms	Documents
L12 and "Application programming Interface"	33

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Clear

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side by side

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=NO; OP=OR

<u>L13</u>	L12 and "Application programming Interface"	33	<u>L13</u>
<u>L12</u>	L11 and statist\$6	225	<u>L12</u>
<u>L11</u>	relational and paramet\$8 and parallel and data adj mining	300	<u>L11</u>
<u>L10</u>	L8 and data adj mining	1	<u>L10</u>
<u>L9</u>	L8 and parallel and data adj mining	0	<u>L9</u>
<u>L8</u>	L3 and paramet\$8	31	<u>L8</u>
<u>L7</u>	L6 and parallel and data adj mining	17	<u>L7</u>
<u>L6</u>	L5 and paramet\$8	315	<u>L6</u>
<u>L5</u>	L4 and relational	633	<u>L5</u>
<u>L4</u>	((707/4)!.CCLS.)	1373	<u>L4</u>
<u>L3</u>	L2 and relational	64	<u>L3</u>
<u>L2</u>	((706/50)!.CCLS.)	214	<u>L2</u>
<u>L1</u>	(5701400 5734887 5412806 5590322 5710915 5787413 5787425 5799310 5806066 5895465 5448727).pn.	22	<u>L1</u>

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L13: Entry 1 of 33

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030212710

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030212710 A1

TITLE: System for tracking activity and delivery of advertising over a file network

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Guy, Michael J.	Studio City	CA	US	

US-CL-CURRENT: 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20030176931 A1

L13: Entry 2 of 33

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030176931

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030176931 A1

TITLE: Method for constructing segmentation-based predictive models

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pednault, Edwin Peter Dawson	Cortlandt Manor	NY	US	
Natarajan, Ramesh	Pleasantville	NY	US	

US-CL-CURRENT: 700/31; 700/30, 700/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20030130973 A1

L13: Entry 3 of 33

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130973

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030130973 A1

TITLE: Computer architecture and process of patient generation, evolution, and simulation for computer based testing system using bayesian networks as a scripting language

PUBLICATION-DATE: July 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sumner,, Walton II	St. Louis	MO	US	
Hagen, Michael D.	Lexington	KY	US	

US-CL-CURRENT: 706/45; 706/15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20030053615 A1

L13: Entry 4 of 33

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030053615

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030053615 A1

TITLE: Methods and apparatus for automated monitoring and action taking based on decision support mechanism

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Anderson, Gregory	Colleyville	TX	US	
Anupam, Vinod	Bridgewater	NJ	US	
Hull, Richard B.	Chatham	NJ	US	
Kumar, Bharat	Bridgewater	NJ	US	

US-CL-CURRENT: 379/265.09

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20030018616 A1

L13: Entry 5 of 33

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030018616

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030018616 A1

TITLE: Systems, methods and computer program products for integrating databases to create an ontology network

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wilbanks, John Thompson	Chapel Hill	NC	US	
Levy, Joshua Lerner	Chapel Hill	NC	US	
Segaran, Suresh Toby	Chapel Hill	NC	US	
Gardner, Richard N.	Raleigh	NC	US	

US-CL-CURRENT: 707/2; 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20020174236 A1

L13: Entry 6 of 33

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020174236

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020174236 A1

TITLE: Methods and apparatus for processing data in a content network

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mathur, Sanjay	Chicago	IL	US	
Shah, Baiju	Palatine	IL	US	
Groon, Jc	Chicago	IL	US	

US-CL-CURRENT: 709/229; 713/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20020165845 A1

L13: Entry 7 of 33

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020165845

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020165845 A1

TITLE: Method and system for web-based analysis of drug adverse effects

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gogolak, Victor V.	McLean	VA	US	

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 20020070953 A1

L13: Entry 8 of 33

File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020070953
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020070953 A1

TITLE: Systems and methods for visualizing and analyzing conditioned data

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Barg, Timothy A.	Naperville	IL	US	
Eick, Stephen G.	Naperville	IL	US	
Martin, Jonathan C.	Wheaton	IL	US	
Swanson, William C.	Saint Charles	IL	US	
Smith, Ronald D.	Batavia	IL	US	
Whitmore, Darryl	Palatine	IL	US	
Rivard, Kurt D.	Naperville	IL	US	

US-CL-CURRENT: 345/700

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 20020065857 A1

L13: Entry 9 of 33

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065857
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020065857 A1

TITLE: System and method for analysis and clustering of documents for search engine

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Michalewicz, Zbigniew	Charlotte	NC	US	
Jankowski, Andrzej	Warsaw		PL	

US-CL-CURRENT: 715/532; 715/500

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6640249 B1

L13: Entry 10 of 33

File: USPT

Oct 28, 2003

US-PAT-NO: 6640249
DOCUMENT-IDENTIFIER: US 6640249 B1

TITLE: Presentation services patterns in a netcentric environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/228; 709/315

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6640244 B1

L13: Entry 11 of 33

File: USPT

Oct 28, 2003

US-PAT-NO: 6640244

DOCUMENT-IDENTIFIER: US 6640244 B1

TITLE: Request batcher in a transaction services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/207; 707/10, 709/101, 709/313

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6640238 B1

L13: Entry 12 of 33

File: USPT

Oct 28, 2003

US-PAT-NO: 6640238

DOCUMENT-IDENTIFIER: US 6640238 B1

TITLE: Activity component in a presentation services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michael K.	Colorado Springs	CO		

US-CL-CURRENT: 709/201; 709/203, 709/223, 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6636242 B2

L13: Entry 13 of 33

File: USPT

Oct 21, 2003

US-PAT-NO: 6636242

DOCUMENT-IDENTIFIER: US 6636242 B2

TITLE: View configurer in a presentation services patterns environment

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: [345/764](#); [345/733](#), [345/744](#), [345/762](#), [345/765](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6622168 B1

L13: Entry 14 of 33

File: USPT

Sep 16, 2003

US-PAT-NO: 6622168

DOCUMENT-IDENTIFIER: US 6622168 B1

TITLE: Dynamic page generation acceleration using component-level caching

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Datta; Anindya	Atlanta	GA		

US-CL-CURRENT: [709/219](#); [709/202](#), [709/203](#), [709/217](#), [711/137](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 6618852 B1

L13: Entry 15 of 33

File: USPT

Sep 9, 2003

US-PAT-NO: 6618852

DOCUMENT-IDENTIFIER: US 6618852 B1

TITLE: Object-oriented framework for chemical-process-development decision-support applications

DATE-ISSUED: September 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
van Eikeren; Paul	Bend	OR		
van Eikeren; Joshua S.	Bend	OR		

US-CL-CURRENT: [717/108](#); [717/102](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 6615253 B1

L13: Entry 16 of 33

File: USPT

Sep 2, 2003

US-PAT-NO: 6615253

DOCUMENT-IDENTIFIER: US 6615253 B1

TITLE: Efficient server side data retrieval for execution of client side applications

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/219; 707/100, 711/118

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 6611829 B1

L13: Entry 17 of 33

File: USPT

Aug 26, 2003

US-PAT-NO: 6611829

DOCUMENT-IDENTIFIER: US 6611829 B1

TITLE: SQL-based analytic algorithm for association

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tate; Brian Don	Escondido	CA		
Pricer; James Edward	Chapel Hill	NC		
Anand; Tej	Chappaqua	NY		
Kerber; Randy Gerard	San Jose	CA		

US-CL-CURRENT: 707/2; 707/10, 707/3, 707/6, 715/509

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 6606744 B1

L13: Entry 18 of 33

File: USPT

Aug 12, 2003

US-PAT-NO: 6606744

DOCUMENT-IDENTIFIER: US 6606744 B1

TITLE: Providing collaborative installation management in a network-based supply chain environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikurak; Michael G.	Hamilton	NJ		

US-CL-CURRENT: 717/174; 705/26, 717/178

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 19. Document ID: US 6601234 B1

L13: Entry 19 of 33

File: USPT

Jul 29, 2003

US-PAT-NO: 6601234

DOCUMENT-IDENTIFIER: US 6601234 B1

TITLE: Attribute dictionary in a business logic services environment

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 717/108; 705/7, 717/107, 717/116

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 20. Document ID: US 6601192 B1

L13: Entry 20 of 33

File: USPT

Jul 29, 2003

US-PAT-NO: 6601192

DOCUMENT-IDENTIFIER: US 6601192 B1

TITLE: Assertion component in environment services patterns

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 714/38

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 21. Document ID: US 6578068 B1

L13: Entry 21 of 33

File: USPT

Jun 10, 2003

US-PAT-NO: 6578068

DOCUMENT-IDENTIFIER: US 6578068 B1

TITLE: Load balancer in environment services patterns

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/203; 709/105, 709/226

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 22. Document ID: US 6571282 B1

L13: Entry 22 of 33

File: USPT

May 27, 2003

US-PAT-NO: 6571282

DOCUMENT-IDENTIFIER: US 6571282 B1

TITLE: Block-based communication in a communication services patterns environment

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/219; 707/10, 709/203, 709/329

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 23. Document ID: US 6564209 B1

L13: Entry 23 of 33

File: USPT

May 13, 2003

US-PAT-NO: 6564209

DOCUMENT-IDENTIFIER: US 6564209 B1

TITLE: Knowledge management tool for providing abstracts of information

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dempski; Kelly L.	Evanston	IL		
Kurth; Scott	Wheeling	IL		

US-CL-CURRENT: 707/3; 707/203, 707/7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 6553366 B1

L13: Entry 24 of 33

File: USPT

Apr 22, 2003

US-PAT-NO: 6553366

DOCUMENT-IDENTIFIER: US 6553366 B1

TITLE: Analytic logical data model

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miller; Timothy Edward	Temecula	CA		
Tate; Brian Don	Escondido	CA		
Rollins; Anthony Lowell	San Diego	CA		

US-CL-CURRENT: 707/2; 707/100, 707/101, 707/104.1, 707/3, 707/4, 707/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 25. Document ID: US 6549949 B1

L13: Entry 25 of 33

File: USPT

Apr 15, 2003

US-PAT-NO: 6549949

DOCUMENT-IDENTIFIER: US 6549949 B1

TITLE: Fixed format stream in a communication services patterns environment

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 709/236; 709/246

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 26. Document ID: US 6549910 B1

L13: Entry 26 of 33

File: USPT

Apr 15, 2003

US-PAT-NO: 6549910

DOCUMENT-IDENTIFIER: US 6549910 B1

TITLE: SQI-based automated, adaptive, histogram bin data description assist

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tate; Brian Don	Escondido	CA		

US-CL-CURRENT: 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 27. Document ID: US 6529909 B1

L13: Entry 27 of 33

File: USPT

Mar 4, 2003

US-PAT-NO: 6529909

DOCUMENT-IDENTIFIER: US 6529909 B1

TITLE: Method for translating an object attribute converter in an information services patterns environment

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 707/10; 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 28. Document ID: US 6438552 B1

L13: Entry 28 of 33

File: USPT

Aug 20, 2002

US-PAT-NO: 6438552

DOCUMENT-IDENTIFIER: US 6438552 B1

TITLE: SQL-Based automated histogram bin data derivation assist

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tate; Brian Don	Escondido	CA		

US-CL-CURRENT: 707/10; 707/101, 707/102, 707/2, 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 29. Document ID: US 6421665 B1

L13: Entry 29 of 33

File: USPT

Jul 16, 2002

US-PAT-NO: 6421665

DOCUMENT-IDENTIFIER: US 6421665 B1

TITLE: SQL-based data reduction techniques for delivering data to analytic tools

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brye; Todd Michael	San Diego	CA		
Tate; Brian Don	Escondido	CA		
Rollins; Anthony Lowell	San Diego	CA		

US-CL-CURRENT: 707/3; 707/100, 707/102, 707/2, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 30. Document ID: US 6377993 B1

L13: Entry 30 of 33

File: USPT

Apr 23, 2002

US-PAT-NO: 6377993

DOCUMENT-IDENTIFIER: US 6377993 B1

TITLE: Integrated proxy interface for web based data management reports

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brandt; Andre R.	Colorado Springs	CO		
Pillai; Sajan J.	Colorado Springs	CO		

US-CL-CURRENT: 709/227; 709/223

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 31. Document ID: US 6324533 B1

L13: Entry 31 of 33

File: USPT

Nov 27, 2001

US-PAT-NO: 6324533

DOCUMENT-IDENTIFIER: US 6324533 B1

TITLE: Integrated database and data-mining system

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agrawal; Rakesh	San Jose	CA		
Sarawagi; Sunita	San Jose	CA		
Thomas; Shiby	Gainesville	FL		

US-CL-CURRENT: 707/3; 706/47

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 32. Document ID: US 6088659 A

L13: Entry 32 of 33

File: USPT

Jul 11, 2000

US-PAT-NO: 6088659

DOCUMENT-IDENTIFIER: US 6088659 A

**** See image for Certificate of Correction ****

TITLE: Automated meter reading system

DATE-ISSUED: July 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelley; Raymond H.	Raleigh	NC		
Carpenter; Richard Christopher	Fuquay-Varina	NC		
Lunney; Robert H.	Cary	NC		
Martinez; Maureen	Raleigh	NC		

US-CL-CURRENT: 702/62; 340/870.02, 705/412, 709/201, 709/203

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 33. Document ID: US 5933818 A

L13: Entry 33 of 33

File: USPT

Aug 3, 1999

US-PAT-NO: 5933818

DOCUMENT-IDENTIFIER: US 5933818 A

TITLE: Autonomous knowledge discovery system and method

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kasravi; Kasra	Bloomfield Hills	MI		
Schleusener; Mary K.	Fenton	MI		
Haun; Barry F.	Auburn Hills	MI		

US-CL-CURRENT: 706/12; 706/13, 706/45, 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Terms	Documents
L12 and "Application programming Interface"	33

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